

SPECTRUM - MS *Scutellaria barbata* (SB)

20200817-025.raw

ITMS + p ESI E Full ms [200.00-2000.00]

Scan #: 1-5340

RT: 0.00-30.01

AV: 1148

Data points: 45000

Mass	Intensity	Ratio	MSX Ratio	average molecular weight
200.04	3208.411947	7.24094E-05	0.014484774	547.6803639
200.08	4080.054074	9.20811E-05	0.018423594	
200.12	4282.170501	9.66426E-05	0.019340122	
200.16	3727.838347	8.41321E-05	0.016839885	
200.2	2751.352678	6.20942E-05	0.012431258	
200.24	1749.784465	3.94902E-05	0.007907517	
200.28	987.093369	2.22773E-05	0.004461702	
200.32	509.565744	1.15002E-05	0.002303718	
200.36	262.194464	5.91736E-06	0.001185603	
200.4	166.246546	3.75195E-06	0.000751891	
200.44	151.340754	3.41555E-06	0.000684613	
200.48	181.402474	4.094E-06	0.000820765	
200.52	231.898398	5.23362E-06	0.001049446	
200.56	273.018178	6.16164E-06	0.001235779	
200.6	264.25171	5.96379E-06	0.001196337	
200.64	203.327042	4.58881E-06	0.000920698	
200.68	129.104828	2.91372E-06	0.000584725	
200.72	85.131728	1.9213E-06	0.000385644	
200.76	67.732899	1.52864E-06	0.000306889	
200.8	77.971915	1.75972E-06	0.000353351	
200.84	146.948381	3.31642E-06	0.00066607	
200.88	360.086542	8.12665E-06	0.001632482	
200.92	947.359964	2.13806E-05	0.004295789	
200.96	2118.244966	4.78058E-05	0.009607061	
201	3945.630857	8.90474E-05	0.017898526	
201.04	5875.503846	0.000132602	0.026658294	
201.08	7060.534391	0.000159346	0.032041379	
201.12	7062.086521	0.000159381	0.032054798	
201.16	5942.578048	0.000134116	0.026978716	
201.2	4167.585299	9.40566E-05	0.018924187	
201.24	2452.326433	5.53456E-05	0.011137747	
201.28	1261.408415	2.84682E-05	0.005730086	
201.32	597.58367	1.34866E-05	0.002715129	
201.36	293.846419	6.6317E-06	0.00133536	
201.4	190.917301	4.30874E-06	0.00086778	
201.44	161.675447	3.64879E-06	0.000735012	
201.48	178.494114	4.02836E-06	0.000811635	
201.52	234.147617	5.28439E-06	0.001064909	

201.56	276.698373	6.2447E-06	0.001258681
201.6	257.15784	5.80369E-06	0.001170025
201.64	201.603122	4.5499E-06	0.000917442
201.68	143.454138	3.23756E-06	0.000652951
201.72	101.833962	2.29825E-06	0.000463603
201.76	77.479861	1.74861E-06	0.0003528
201.8	70.642558	1.5943E-06	0.000321731
201.84	127.758839	2.88334E-06	0.000581973
201.88	353.17302	7.97062E-06	0.001609109
201.92	962.79781	2.1729E-05	0.004387521
201.96	2241.29477	5.05829E-05	0.010215723
202	4236.448189	9.56107E-05	0.019313368
202.04	6419.399771	0.000144877	0.029270931
202.08	7836.854728	0.000176867	0.035741262
202.12	7901.718788	0.000178331	0.036044219
202.16	6639.413737	0.000149842	0.030292123
202.2	4679.063101	0.0001056	0.021352307
202.24	2823.48185	6.37221E-05	0.012887148
202.28	1502.608513	3.39118E-05	0.006859675
202.32	758.590048	1.71203E-05	0.003463783
202.36	416.14858	9.39189E-06	0.001900544
202.4	276.537487	6.24107E-06	0.001263192
202.44	267.091169	6.02788E-06	0.001220283
202.48	363.793288	8.21031E-06	0.001662423
202.52	493.548735	1.11387E-05	0.002255811
202.56	552.261986	1.24638E-05	0.002524664
202.6	506.495363	1.14309E-05	0.002315899
202.64	369.523282	8.33963E-06	0.001689942
202.68	238.481875	5.3822E-06	0.001090865
202.72	153.341266	3.4607E-06	0.000701553
202.76	112.881905	2.54759E-06	0.000516549
202.8	116.736941	2.63459E-06	0.000534295
202.84	182.712478	4.12357E-06	0.000836424
202.88	467.950957	1.0561E-05	0.002142616
202.92	1282.843223	2.8952E-05	0.005874937
202.96	2853.982934	6.44104E-05	0.013072739
203	5071.988034	0.000114468	0.023236944
203.04	7328.928122	0.000165404	0.033583567
203.08	8721.38252	0.000196829	0.039972126
203.12	8563.95021	0.000193276	0.039258308
203.16	7051.629214	0.000159145	0.032331989
203.2	4893.27504	0.000110434	0.02244027
203.24	2882.810611	6.5061E-05	0.013223002
203.28	1496.92626	3.37835E-05	0.006867518
203.32	728.337269	1.64376E-05	0.003342084
203.36	378.71192	8.547E-06	0.001738118

203.4	284.818712	6.42796E-06	0.001307447
203.44	347.802076	7.84941E-06	0.001596884
203.48	539.489122	1.21755E-05	0.002477474
203.52	736.739378	1.66272E-05	0.003383964
203.56	851.257709	1.92117E-05	0.003910734
203.6	821.308776	1.85358E-05	0.003773888
203.64	622.919326	1.40584E-05	0.002862857
203.68	440.812839	9.94853E-06	0.002026317
203.72	383.081999	8.64563E-06	0.001761287
203.76	436.951835	9.86139E-06	0.002009358
203.8	643.72727	1.4528E-05	0.002960812
203.84	1140.345659	2.5736E-05	0.005246029
203.88	2182.212622	4.92495E-05	0.010040988
203.92	4058.729916	9.15999E-05	0.018679048
203.96	6768.894882	0.000152765	0.031157853
204	9808.708136	0.000221369	0.045159252
204.04	12144.66913	0.000274088	0.05592497
204.08	12864.95089	0.000290344	0.059253408
204.12	11566.10428	0.000261031	0.05328162
204.16	8890.101287	0.000200637	0.040962091
204.2	5888.929683	0.000132905	0.027139189
204.24	3460.657153	7.81022E-05	0.015951596
204.28	1829.12024	4.12807E-05	0.008432821
204.32	899.67024	2.03043E-05	0.004148575
204.36	469.704932	1.06006E-05	0.002166336
204.4	338.78913	7.646E-06	0.001562842
204.44	409.179756	9.23462E-06	0.001887925
204.48	646.523374	1.45911E-05	0.002983595
204.52	1032.526989	2.33027E-05	0.004765867
204.56	1368.748137	3.08907E-05	0.00631901
204.6	1352.765782	3.053E-05	0.006246446
204.64	1010.743039	2.28111E-05	0.004668056
204.68	601.501774	1.35751E-05	0.002778543
204.72	316.259377	7.13753E-06	0.001461196
204.76	186.160148	4.20138E-06	0.000860274
204.8	178.855862	4.03653E-06	0.000826681
204.84	364.495726	8.22616E-06	0.001685047
204.88	1083.582694	2.4455E-05	0.005010331
204.92	2999.054999	6.76845E-05	0.013869907
204.96	6923.653836	0.000156257	0.03202648
205	12995.51701	0.000293291	0.060124597
205.04	19197.38577	0.000433258	0.088835273
205.08	22481.64915	0.00050738	0.104053389
205.12	21207.87383	0.000478632	0.098177031
205.16	16390.76058	0.000369917	0.075892097
205.2	10481.60413	0.000236555	0.048541128

205.24	5643.251354	0.00012736	0.026139433
205.28	2609.584975	5.88947E-05	0.012089904
205.32	1102.917263	2.48913E-05	0.005110683
205.36	499.999617	1.12843E-05	0.002317343
205.4	316.895333	7.15189E-06	0.001468997
205.44	318.250415	7.18247E-06	0.001475566
205.48	487.112483	1.09935E-05	0.002258934
205.52	820.807395	1.85245E-05	0.003807151
205.56	1261.665707	2.8474E-05	0.005853123
205.6	1475.965326	3.33105E-05	0.006848635
205.64	1243.526118	2.80647E-05	0.005771215
205.68	784.319215	1.7701E-05	0.00364074
205.72	407.220803	9.19041E-06	0.00189065
205.76	210.210519	4.74416E-06	0.000976158
205.8	155.861006	3.51757E-06	0.000723915
205.84	221.636366	5.00202E-06	0.001029617
205.88	556.931367	1.25692E-05	0.00258774
205.92	1535.928443	3.46638E-05	0.007137963
205.96	3588.627837	8.09903E-05	0.016680769
206	6749.298914	0.000152322	0.031378389
206.04	10175.77026	0.000229653	0.047317696
206.08	12283.90741	0.000277231	0.057131699
206.12	11992.2799	0.000270649	0.055786183
206.16	9627.902057	0.000217288	0.044796164
206.2	6467.030718	0.000145952	0.030095277
206.24	3730.02592	8.41815E-05	0.01736159
206.28	1929.861354	4.35543E-05	0.008984377
206.32	953.915413	2.15285E-05	0.004441769
206.36	501.856969	1.13262E-05	0.002337277
206.4	328.801181	7.42058E-06	0.001531609
206.44	320.159423	7.22555E-06	0.001491643
206.48	381.970344	8.62054E-06	0.001779969
206.52	478.722725	1.08041E-05	0.002231264
206.56	556.262112	1.25541E-05	0.002593167
206.6	507.464428	1.14528E-05	0.002366141
206.64	372.985959	8.41777E-06	0.001739449
206.68	249.75168	5.63655E-06	0.001164962
206.72	180.576859	4.07537E-06	0.00084246
206.76	144.266247	3.25589E-06	0.000673187
206.8	150.382114	3.39391E-06	0.000701862
206.84	326.440701	7.36731E-06	0.001523855
206.88	1004.563007	2.26716E-05	0.004690298
206.92	2827.128109	6.38043E-05	0.013202395
206.96	6622.044595	0.00014945	0.030930239
207	12492.98161	0.000281949	0.058363483
207.04	18629.59359	0.000420444	0.087048721

207.08	22404.71358	0.000505643	0.104708589
207.12	21854.16314	0.000493218	0.102155317
207.16	17475.40852	0.000394396	0.081702998
207.2	11688.98051	0.000263804	0.054660191
207.24	6612.751803	0.000149241	0.030928621
207.28	3213.728347	7.25294E-05	0.015033888
207.32	1417.009854	3.19799E-05	0.006630081
207.36	637.587865	1.43895E-05	0.002983801
207.4	362.561878	8.18252E-06	0.001697054
207.44	312.181814	7.04551E-06	0.00146152
207.48	360.089601	8.12672E-06	0.001686132
207.52	452.95633	1.02226E-05	0.002121393
207.56	491.979412	1.11033E-05	0.002304599
207.6	447.839048	1.01071E-05	0.002098235
207.64	349.619488	7.89042E-06	0.001638368
207.68	270.430352	6.10324E-06	0.00126752
207.72	256.521027	5.78932E-06	0.001202558
207.76	347.129062	7.83422E-06	0.001627637
207.8	765.023873	1.72655E-05	0.003587776
207.84	1905.690452	4.30088E-05	0.008938945
207.88	4211.239924	9.50418E-05	0.019757293
207.92	7715.877576	0.000174137	0.036206484
207.96	11714.29846	0.000264375	0.054979508
208	15026.27615	0.000339122	0.070537402
208.04	16988.99308	0.000383418	0.079766262
208.08	17017.2526	0.000384056	0.079914308
208.12	14984.21495	0.000338173	0.070380536
208.16	11439.35093	0.00025817	0.053740712
208.2	7555.089535	0.000170508	0.035499734
208.24	4344.742088	9.80548E-05	0.020418927
208.28	2251.485108	5.08129E-05	0.010583307
208.32	1137.660676	2.56754E-05	0.005348703
208.36	626.6521	1.41427E-05	0.002946766
208.4	442.524702	9.98717E-06	0.002081325
208.44	417.844168	9.43016E-06	0.001965623
208.48	456.642651	1.03058E-05	0.002148551
208.52	512.883316	1.15751E-05	0.002413632
208.56	575.261846	1.29829E-05	0.002707705
208.6	555.260538	1.25315E-05	0.002614062
208.64	424.255148	9.57485E-06	0.001997696
208.68	289.561701	6.535E-06	0.001363725
208.72	210.833483	4.75822E-06	0.000993135
208.76	192.58551	4.34639E-06	0.000907352
208.8	264.200895	5.96265E-06	0.001245001
208.84	572.828081	1.29279E-05	0.002699869
208.88	1521.454103	3.43371E-05	0.007172333

208.92	3829.48736	8.64262E-05	0.018056161
208.96	8232.447951	0.000185795	0.038823699
209	14836.89756	0.000334848	0.069983255
209.04	22068.98293	0.000498066	0.10411576
209.08	27004.18269	0.000609447	0.127423135
209.12	27447.71327	0.000619457	0.129540776
209.16	23225.10774	0.000524158	0.109632957
209.2	16439.25994	0.000371011	0.077615543
209.24	9796.868595	0.000221102	0.046263315
209.28	4879.771834	0.00011013	0.023047934
209.32	2101.42632	4.74263E-05	0.009927266
209.36	882.037702	1.99064E-05	0.004167596
209.4	480.507376	1.08444E-05	0.002270814
209.44	417.110703	9.41361E-06	0.001971586
209.48	469.015614	1.0585E-05	0.002217352
209.52	548.066432	1.23691E-05	0.002591573
209.56	601.938711	1.35849E-05	0.002846855
209.6	564.95874	1.27503E-05	0.00267247
209.64	446.18864	1.00699E-05	0.002111045
209.68	311.046013	7.01988E-06	0.001471927
209.72	215.457266	4.86257E-06	0.001019778
209.76	187.655807	4.23513E-06	0.000888361
209.8	269.720149	6.08721E-06	0.001277096
209.84	543.469894	1.22654E-05	0.002573763
209.88	1192.666204	2.69168E-05	0.005649301
209.92	2532.642035	5.71582E-05	0.01199865
209.96	4900.17277	0.00011059	0.023219492
210	8258.595104	0.000186385	0.039140848
210.04	11818.23824	0.000266721	0.056022116
210.08	14245.52799	0.000321502	0.067541082
210.12	14140.18309	0.000319124	0.067054385
210.16	11553.71036	0.000260751	0.054799462
210.2	7914.353982	0.000178616	0.037545072
210.24	4624.492613	0.000104368	0.021942403
210.28	2395.833694	5.40706E-05	0.011369972
210.32	1192.063095	2.69032E-05	0.005658282
210.36	641.245405	1.4472E-05	0.003044333
210.4	463.871593	1.04689E-05	0.002202664
210.44	471.360018	1.06379E-05	0.002238648
210.48	572.721621	1.29255E-05	0.002720565
210.52	679.309306	1.53311E-05	0.003227496
210.56	704.069835	1.58899E-05	0.003345772
210.6	590.806514	1.33337E-05	0.002808073
210.64	420.271243	9.48494E-06	0.001997907
210.68	282.940831	6.38558E-06	0.001345314
210.72	195.313624	4.40796E-06	0.000928845

210.76	157.638862	3.55769E-06	0.000749819
210.8	163.118741	3.68136E-06	0.000776031
210.84	288.621195	6.51378E-06	0.001373365
210.88	775.471163	1.75013E-05	0.003690675
210.92	2145.966768	4.84315E-05	0.010215168
210.96	5226.435659	0.000117953	0.024883444
211	10204.35468	0.000230298	0.048592893
211.04	15971.3478	0.000360451	0.076069595
211.08	20043.78392	0.00045236	0.095484209
211.12	20319.16032	0.000458575	0.096814385
211.16	16882.92304	0.000381024	0.08045704
211.2	11684.46447	0.000263702	0.055693881
211.24	6860.537134	0.000154833	0.032706874
211.28	3480.612242	7.85526E-05	0.016596587
211.32	1588.753666	3.5856E-05	0.007577081
211.36	752.687794	1.69871E-05	0.003590397
211.4	543.567737	1.22676E-05	0.002593364
211.44	720.357082	1.62575E-05	0.003437476
211.48	1176.834512	2.65595E-05	0.005616806
211.52	1606.924608	3.62661E-05	0.007670995
211.56	1646.026031	3.71485E-05	0.00785914
211.6	1276.823328	2.88161E-05	0.006097492
211.64	798.008949	1.801E-05	0.003811626
211.68	436.3023	9.84674E-06	0.002084357
211.72	242.711005	5.47765E-06	0.001159728
211.76	174.997725	3.94945E-06	0.000836337
211.8	183.190075	4.13434E-06	0.000875654
211.84	298.787093	6.74321E-06	0.001428481
211.88	693.115467	1.56427E-05	0.003314365
211.92	1787.918541	4.03508E-05	0.008551148
211.96	3987.26226	8.9987E-05	0.019073635
212	7381.897441	0.000166599	0.035319018
212.04	11036.87968	0.000249087	0.052816408
212.08	13286.22861	0.000299852	0.063592543
212.12	13008.73747	0.000293589	0.062276117
212.16	10635.1876	0.000240021	0.050922934
212.2	7289.354856	0.000164511	0.034909146
212.24	4296.367404	9.6963E-05	0.020579433
212.28	2280.061973	5.14578E-05	0.010923467
212.32	1149.230434	2.59365E-05	0.005506844
212.36	619.331638	1.39775E-05	0.002968252
212.4	453.66404	1.02386E-05	0.002174671
212.44	479.570214	1.08232E-05	0.002299287
212.48	655.153908	1.47859E-05	0.00314171
212.52	863.575926	1.94897E-05	0.004141952
212.56	908.243949	2.04978E-05	0.004357013

212.6	733.287874	1.65493E-05	0.003518378
212.64	510.03745	1.15108E-05	0.002447664
212.68	336.841989	7.60205E-06	0.001616805
212.72	223.859237	5.05219E-06	0.001074702
212.76	174.198745	3.93142E-06	0.00083645
212.8	183.654286	4.14482E-06	0.000882018
212.84	336.385983	7.59176E-06	0.001615831
212.88	898.851127	2.02858E-05	0.004318445
212.92	2405.014175	5.42778E-05	0.011556833
212.96	5491.911407	0.000123945	0.026395283
213	10239.14688	0.000231083	0.049220739
213.04	15315.91084	0.000345659	0.073639145
213.08	18314.59945	0.000413335	0.088073422
213.12	17961.12464	0.000405358	0.086389804
213.16	14744.00524	0.000332752	0.070929344
213.2	10141.79779	0.000228886	0.048798548
213.24	5955.564383	0.000134409	0.028661331
213.28	3067.727034	6.92343E-05	0.014766297
213.32	1426.152002	3.21863E-05	0.006865974
213.36	665.217466	1.5013E-05	0.00320318
213.4	403.697178	9.11088E-06	0.001944262
213.44	377.007466	8.50853E-06	0.001816061
213.48	480.004964	1.0833E-05	0.002312638
213.52	609.272769	1.37504E-05	0.002935993
213.56	638.076267	1.44005E-05	0.003075369
213.6	567.325615	1.28037E-05	0.002734881
213.64	433.345961	9.78001E-06	0.002089402
213.68	291.516797	6.57913E-06	0.001405828
213.72	189.841244	4.28445E-06	0.000915673
213.76	143.418438	3.23675E-06	0.000691889
213.8	157.909608	3.5638E-06	0.00076194
213.84	255.762528	5.7722E-06	0.001234328
213.88	575.903073	1.29973E-05	0.002779869
213.92	1407.848104	3.17732E-05	0.006796917
213.96	3082.298447	6.95632E-05	0.014883739
214	5654.620141	0.000127617	0.027310017
214.04	8527.161568	0.000192446	0.041191176
214.08	10470.97687	0.000236315	0.050590393
214.12	10460.35105	0.000236076	0.050548497
214.16	8651.549707	0.000195253	0.041815474
214.2	6058.483132	0.000136732	0.029287893
214.24	3683.627531	8.31343E-05	0.017810702
214.28	2017.875814	4.55406E-05	0.00975845
214.32	1043.901779	2.35594E-05	0.005049253
214.36	578.074108	1.30463E-05	0.002796611
214.4	395.417619	8.92402E-06	0.001913311

214.44	365.963865	8.25929E-06	0.001771123
214.48	432.181188	9.75373E-06	0.002091979
214.52	519.767884	1.17304E-05	0.002516413
214.56	552.559608	1.24705E-05	0.002675671
214.6	494.135773	1.1152E-05	0.00239321
214.64	373.68025	8.43344E-06	0.001810154
214.68	253.469911	5.72046E-06	0.001228069
214.72	178.819084	4.0357E-06	0.000866545
214.76	169.155246	3.8176E-06	0.000819867
214.8	230.763806	5.20802E-06	0.001118682
214.84	470.021554	1.06077E-05	0.002278965
214.88	1190.141113	2.68598E-05	0.00577164
214.92	3011.038547	6.79549E-05	0.014604877
214.96	6920.695191	0.00015619	0.033574699
215	12937.33459	0.000291978	0.062775189
215.04	19322.68856	0.000436086	0.093775969
215.08	23022.39247	0.000519583	0.111751983
215.12	22106.37241	0.00049891	0.107325526
215.16	17389.72949	0.000392462	0.084442118
215.2	11453.4013	0.000258487	0.05562647
215.24	6445.259602	0.000145461	0.031308925
215.28	3164.342403	7.14148E-05	0.015374178
215.32	1422.994382	3.2115E-05	0.006915002
215.36	663.046886	1.4964E-05	0.003222657
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215.44	371.60866	8.38669E-06	0.001806828
215.48	465.928602	1.05154E-05	0.00226585
215.52	572.071693	1.29109E-05	0.002782549
215.56	616.353998	1.39103E-05	0.002998494
215.6	566.915121	1.27945E-05	0.002758491
215.64	423.8977	9.56678E-06	0.002062981
215.68	293.284633	6.61903E-06	0.001427591
215.72	201.999772	4.55885E-06	0.000983436
215.76	161.046456	3.63459E-06	0.0007842
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215.84	268.927248	6.06931E-06	0.001310001
215.88	593.886566	1.34032E-05	0.002893481
215.92	1419.308722	3.20318E-05	0.006916311
215.96	3129.214198	7.0622E-05	0.015251528
216	5946.832286	0.000134212	0.028989732
216.04	9209.212984	0.000207839	0.044901561
216.08	11502.8309	0.000259603	0.056094988
216.12	11636.22079	0.000262613	0.056755985
216.16	9679.212997	0.000218446	0.047219364
216.2	6696.497143	0.000151131	0.032674439
216.24	3944.097488	8.90128E-05	0.019248125

216.28	2071.94671	4.6761E-05	0.010113459
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216.68	300.786091	6.78832E-06	0.001470894
216.72	217.711019	4.91343E-06	0.00106484
216.76	232.57903	5.24898E-06	0.00113777
216.8	369.286819	8.33429E-06	0.001806874
216.84	778.369667	1.75667E-05	0.003809167
216.88	1839.086724	4.15056E-05	0.00900174
216.92	3997.874886	9.02265E-05	0.019571925
216.96	7425.653525	0.000167587	0.036359601
217	11698.9569	0.000264029	0.057294328
217.04	15747.50134	0.000355399	0.077135836
217.08	17875.21938	0.000403419	0.087574154
217.12	16960.24114	0.000382769	0.083106809
217.16	13531.42659	0.000305385	0.066317504
217.2	9099.083925	0.000205354	0.044602813
217.24	5191.451715	0.000117164	0.025452671
217.28	2578.113922	5.81844E-05	0.012642315
217.32	1187.362967	2.67971E-05	0.005823552
217.36	588.161958	1.3274E-05	0.002885236
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217.48	448.562346	1.01234E-05	0.002201643
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217.68	389.250909	8.78485E-06	0.001912286
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217.8	181.381939	4.09354E-06	0.000891573
217.84	276.107751	6.23137E-06	0.001357441
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225.679999	355.971025	8.03377E-06	0.001813061
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225.759999	244.418354	5.51618E-06	0.001245333
225.799999	292.529264	6.60198E-06	0.001490727
225.839999	460.509791	1.03931E-05	0.00234717
225.879999	911.53271	2.0572E-05	0.004646809
225.919999	1965.558923	4.43599E-05	0.010021795
225.959999	3868.604182	8.7309E-05	0.019728343
225.999999	6742.646255	0.000152172	0.034390902
226.039999	10242.98927	0.00023117	0.052253667
226.079999	12962.14513	0.000292538	0.066136891
226.119999	13510.98516	0.000304924	0.068949441
226.159999	11708.03109	0.000264234	0.059759151
226.199999	8587.876902	0.000193816	0.043841274
226.239999	5405.660837	0.000121998	0.027600881
226.279999	2959.745925	6.67973E-05	0.015114903
226.319999	1456.059535	3.28612E-05	0.007437155
226.359999	718.47185	1.62149E-05	0.003670407
226.399999	476.927399	1.07636E-05	0.002436876
226.439999	463.020835	1.04497E-05	0.002366238
226.479999	562.319916	1.26908E-05	0.002874207
226.519999	701.152643	1.5824E-05	0.003584461
226.559999	757.689369	1.71E-05	0.003874175
226.599999	692.84747	1.56366E-05	0.003543254
226.639999	550.581247	1.24259E-05	0.002816195
226.679999	382.560236	8.63385E-06	0.001957121
226.719999	256.130005	5.7805E-06	0.001310554
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226.839999	329.935563	7.44619E-06	0.001689093
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226.999999	9691.961062	0.000218734	0.049652632
227.039999	15632.09591	0.000352795	0.080098493
227.079999	20548.62946	0.000463754	0.105309245
227.119999	22291.87401	0.000503097	0.114263287
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227.679999	331.595826	7.48366E-06	0.001703879
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238.119999	12694.68945	0.000286501	0.068221727
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238.639999	407.926529	9.20633E-06	0.002196999
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250.679999	331.846204	7.48931E-06	0.001877419
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251.199999	11732.73012	0.000264791	0.066515594

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262.639999	456.815083	1.03097E-05	0.002707734
262.679999	365.750615	8.25448E-06	0.002168287
262.719999	291.315129	6.57458E-06	0.001727273
262.759999	270.022937	6.09404E-06	0.00160127
262.799999	315.812187	7.12744E-06	0.001873092
262.839999	486.269724	1.09744E-05	0.002884519
262.879999	905.297176	2.04313E-05	0.005370979
262.919999	1891.492604	4.26884E-05	0.011223622
262.959999	3959.734478	8.93657E-05	0.023499602
262.999999	7232.747166	0.000163233	0.042930287
263.039999	11017.33164	0.000248646	0.065403799
263.079999	13775.90824	0.000310903	0.081792377
263.119999	14368.01664	0.000324266	0.085320902
263.159999	12596.50874	0.000284286	0.074812613
263.199999	9453.174103	0.000213345	0.056152397
263.239999	6084.416051	0.000137317	0.036147273
263.279999	3399.030242	7.67114E-05	0.020196572
263.319999	1671.27122	3.77183E-05	0.009931973
263.359999	788.099668	1.77863E-05	0.004684203
263.399999	442.420561	9.98482E-06	0.00263
263.439999	375.937325	8.48438E-06	0.002235126
263.479999	484.408933	1.09324E-05	0.002880478
263.519999	680.776791	1.53642E-05	0.00404877
263.559999	789.65659	1.78214E-05	0.004697021
263.599999	716.486457	1.61701E-05	0.004262439
263.639999	535.029516	1.20749E-05	0.003183419
263.679999	357.113538	8.05956E-06	0.002125143
263.719999	243.66562	5.49919E-06	0.001450247
263.759999	185.91933	4.19594E-06	0.001106721
263.799999	196.460827	4.43385E-06	0.001169649
263.839999	294.404796	6.64431E-06	0.001753034
263.879999	522.732531	1.17973E-05	0.003113083
263.919999	1082.570137	2.44321E-05	0.00644812
263.959999	2265.383393	5.11265E-05	0.013495363
263.999999	4357.169853	9.83353E-05	0.025960507
264.039999	6974.628843	0.000157408	0.041561918
264.079999	9047.485496	0.000204189	0.053922269

264.119999	9549.932122	0.000215529	0.056925431
264.159999	8334.822534	0.000188105	0.049689905
264.199999	6139.558106	0.000138561	0.036607889
264.239999	3868.163234	8.72991E-05	0.023067903
264.279999	2132.852992	4.81355E-05	0.012721255
264.319999	1081.050932	2.43978E-05	0.00644883
264.359999	556.577391	1.25612E-05	0.003320673
264.399999	366.298454	8.26685E-06	0.002185754
264.439999	385.319176	8.69612E-06	0.002299601
264.479999	542.612453	1.2246E-05	0.003238824
264.519999	785.044239	1.77174E-05	0.004686595
264.559999	913.962932	2.06269E-05	0.005457045
264.599999	824.140762	1.85997E-05	0.004921483
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264.679999	418.351555	9.44161E-06	0.002499006
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264.879999	860.421429	1.94185E-05	0.005143576
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264.959999	3920.921256	8.84897E-05	0.023446239
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265.359999	952.514395	2.14969E-05	0.005704424
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267.119998	18293.73683	0.000412864	0.110284273
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274.839998	490.201584	1.10632E-05	0.003040601
274.879998	980.38917	2.2126E-05	0.006082
274.919998	2153.033469	4.8591E-05	0.013358628
274.959998	4489.292066	0.000101317	0.027858141
274.999998	8176.083356	0.000184523	0.050743773
275.039998	12701.83982	0.000286663	0.078843745
275.079998	16661.91348	0.000376036	0.103440031
275.119998	18818.68246	0.000424711	0.116846614

275.159998	18759.91746	0.000423385	0.116498673
275.199998	16573.9268	0.00037405	0.102938681
275.239998	12816.43108	0.000289249	0.079612894
275.279998	8566.255211	0.000193328	0.053219455
275.319998	4943.797598	0.000111575	0.030718726
275.359998	2443.63358	5.51494E-05	0.01518594
275.399998	1096.695872	2.47509E-05	0.006816397
275.439998	552.40175	1.24669E-05	0.003433893
275.479998	443.147509	1.00012E-05	0.002755137
275.519998	496.217745	1.11989E-05	0.003085533
275.559998	562.066101	1.2685E-05	0.003495492
275.599998	574.816452	1.29728E-05	0.003575305
275.639998	515.925307	1.16437E-05	0.003209474
275.679998	433.760482	9.78937E-06	0.002698733
275.719998	375.462606	8.47367E-06	0.00233636
275.759998	383.852453	8.66302E-06	0.002388913
275.799998	515.553785	1.16353E-05	0.003209024
275.839998	836.169303	1.88712E-05	0.005205425
275.879998	1417.503385	3.19911E-05	0.008825698
275.919998	2325.859911	5.24914E-05	0.014483432
275.959998	3662.75928	8.26634E-05	0.022811785
275.999998	5504.429116	0.000124227	0.034286734
276.039998	7670.693519	0.000173117	0.04778718
276.079998	9477.065913	0.000213884	0.059049143
276.119998	10117.51199	0.000228338	0.06304873
276.159998	9261.526491	0.00020902	0.057722894
276.199998	7270.34785	0.000164082	0.045319344
276.239998	4952.239049	0.000111765	0.030874001
276.279998	3007.860392	6.78832E-05	0.018754776
276.319998	1644.859058	3.71222E-05	0.0102576
276.359998	858.599141	1.93774E-05	0.005355135
276.399998	502.748236	1.13463E-05	0.003136125
276.439998	397.653112	8.97448E-06	0.002480904
276.479998	446.765307	1.00829E-05	0.002787712
276.519998	538.359112	1.215E-05	0.003359722
276.559998	590.628282	1.33297E-05	0.00368645
276.599998	597.442101	1.34834E-05	0.003729518
276.639998	537.289581	1.21259E-05	0.003354503
276.679998	427.002075	9.63684E-06	0.002666321
276.719998	321.27369	7.2507E-06	0.002006414
276.759998	271.933334	6.13716E-06	0.001698519
276.799998	311.055802	7.0201E-06	0.001943163
276.839998	490.722103	1.10749E-05	0.003065979
276.879998	957.643798	2.16127E-05	0.005984121
276.919998	2034.368406	4.59129E-05	0.012714189
276.959998	4327.754587	9.76714E-05	0.027051069

276.999998	8024.41642	0.0001811	0.050164672
277.039998	12574.38194	0.000283786	0.078620152
277.079998	16904.01908	0.0003815	0.105706065
277.119998	19648.12687	0.000443431	0.122883558
277.159998	20106.25863	0.00045377	0.125766962
277.199998	18428.19701	0.000415899	0.115287129
277.239998	15088.59822	0.000340529	0.094408161
277.279998	10799.71259	0.000243734	0.067582693
277.319998	6630.083281	0.000149632	0.041495875
277.359998	3488.52271	7.87311E-05	0.021836857
277.399998	1633.527657	3.68664E-05	0.010226751
277.439998	786.121248	1.77417E-05	0.004922247
277.479998	539.62073	1.21785E-05	0.003379287
277.519998	556.074566	1.25498E-05	0.003482828
277.559998	650.609869	1.46834E-05	0.004075513
277.599998	692.70207	1.56333E-05	0.00433981
277.639998	610.027017	1.37675E-05	0.003822398
277.679998	482.728603	1.08945E-05	0.003025188
277.719998	375.488715	8.47426E-06	0.002353471
277.759998	327.388831	7.38871E-06	0.002052288
277.799998	371.082337	8.37481E-06	0.002326523
277.839998	518.941085	1.17118E-05	0.003254
277.879998	844.346144	1.90557E-05	0.005295202
277.919998	1529.270898	3.45135E-05	0.009591996
277.959998	2776.730929	6.26669E-05	0.017418905
277.999998	4656.411513	0.000105089	0.029214665
278.039998	7036.899769	0.000158813	0.044156373
278.079998	9184.421562	0.00020728	0.057640311
278.119998	10221.49684	0.000230685	0.064158097
278.159998	9749.631073	0.000220036	0.0612051
278.199998	7982.82685	0.000180161	0.050120869
278.239998	5654.068359	0.000127604	0.035504661
278.279998	3592.867852	8.1086E-05	0.022564618
278.319998	2046.914726	4.6196E-05	0.012857275
278.359998	1058.392526	2.38864E-05	0.006649031
278.399998	589.480163	1.33037E-05	0.003703763
278.439998	455.982601	1.02909E-05	0.002865396
278.479998	499.021623	1.12622E-05	0.003136304
278.519998	625.40948	1.41146E-05	0.003931204
278.559998	722.074108	1.62962E-05	0.004539471
278.599998	712.872309	1.60885E-05	0.004482266
278.639998	629.708547	1.42116E-05	0.003959933
278.679998	505.514262	1.14088E-05	0.003179391
278.719998	385.376802	8.69742E-06	0.002424144
278.759998	321.399571	7.25354E-06	0.002021997
278.799998	369.671463	8.34297E-06	0.00232602

278.839998	552.878713	1.24777E-05	0.003479283
278.879998	1004.487238	2.26699E-05	0.006322175
278.919998	2099.323228	4.73788E-05	0.013214895
278.959998	4408.68645	9.94979E-05	0.027755937
278.999998	8371.373571	0.00018893	0.052711537
279.039998	13630.13116	0.000307613	0.085836352
279.079998	18432.15905	0.000415988	0.116093974
279.119998	20971.8797	0.000473306	0.132109201
279.159998	20531.22311	0.000463361	0.129351886
279.199998	17469.74007	0.000394268	0.110079541
279.239998	13050.97299	0.000294542	0.082247986
279.279998	8550.112119	0.000192964	0.053891019
279.319998	4928.908992	0.000111239	0.031071168
279.359998	2548.450229	5.7515E-05	0.016067382
279.399998	1262.45529	2.84919E-05	0.007960625
279.439998	733.663685	1.65578E-05	0.004626903
279.479998	653.752212	1.47543E-05	0.004123525
279.519998	717.925737	1.62026E-05	0.004528946
279.559998	798.512591	1.80213E-05	0.005038039
279.599998	805.36174	1.81759E-05	0.00508198
279.639998	690.296399	1.5579E-05	0.004356519
279.679998	502.496504	1.13406E-05	0.003171752
279.719998	335.956529	7.58207E-06	0.002120857
279.759998	255.23822	5.76037E-06	0.001611521
279.799998	248.753965	5.61403E-06	0.001570806
279.839998	333.67326	7.53054E-06	0.002107346
279.879998	599.617691	1.35325E-05	0.003787486
279.919998	1176.592525	2.65541E-05	0.007433011
279.959998	2367.085803	5.34218E-05	0.014955975
279.999998	4497.177163	0.000101495	0.028418607
280.039998	7358.121839	0.000166063	0.046504159
280.079998	9956.59001	0.000224706	0.062935759
280.119998	11163.3035	0.00025194	0.070573491
280.159998	10444.91832	0.000235727	0.066041348
280.199998	8307.675431	0.000187493	0.052535444
280.239998	5698.090345	0.000128598	0.036038293
280.279998	3446.46903	7.7782E-05	0.02180074
280.319998	1878.848667	4.2403E-05	0.011886408
280.359998	988.632546	2.23121E-05	0.006255409
280.399998	616.244378	1.39078E-05	0.003899741
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280.479998	847.47419	1.91263E-05	0.005364548
280.519998	1119.560693	2.52669E-05	0.007087878
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280.719998	457.814915	1.03322E-05	0.002900468
280.759998	441.492738	9.96388E-06	0.002797458
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280.879998	2738.826135	6.18115E-05	0.017361611
280.919998	4783.88136	0.000107966	0.030329679
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280.999998	10223.63382	0.000230733	0.064836022
281.039998	13072.77207	0.000295034	0.082916427
281.079998	14862.95555	0.000335436	0.094284408
281.119998	14940.80504	0.000337193	0.09479174
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281.239998	6986.733667	0.000157681	0.044346161
281.279998	4130.672961	9.32235E-05	0.026221916
281.319998	2173.772764	4.9059E-05	0.013801284
281.359998	1090.175125	2.46037E-05	0.006922507
281.399998	612.940411	1.38332E-05	0.003892666
281.439998	471.185687	1.0634E-05	0.002992834
281.479998	556.596988	1.25616E-05	0.003535844
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281.599998	776.866812	1.75328E-05	0.004937237
281.639998	635.834449	1.43499E-05	0.004041505
281.679998	462.457843	1.0437E-05	0.002939902
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281.799998	287.238602	6.48258E-06	0.00182679
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281.919998	1531.613671	3.45664E-05	0.009744956
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281.999998	4474.857378	0.000100991	0.028479546
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283.159998	12765.06663	0.00028809	0.0815755
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283.239998	7248.121413	0.00016358	0.0463324
283.279998	4663.837814	0.000105256	0.029817011
283.319998	2667.086119	6.01924E-05	0.017053716
283.359998	1384.769917	3.12523E-05	0.00885566
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283.439998	483.501397	1.0912E-05	0.003092884
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283.839998	354.854182	8.00856E-06	0.002273151
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284.039998	6878.741924	0.000155244	0.044095399
284.079998	9161.880232	0.000206771	0.05873947
284.119998	10338.87873	0.000233334	0.066294882
284.159998	10633.25748	0.000239978	0.068192094
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284.239998	11500.42244	0.000259549	0.07377407
284.279998	12101.47824	0.000273114	0.077640707
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284.439998	4015.702471	9.06288E-05	0.025778459
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284.719998	333.299667	7.52211E-06	0.002141695
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284.799998	279.036154	6.29746E-06	0.001793516
284.839998	588.315055	1.32775E-05	0.003781949
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285.199998	14504.46325	0.000327346	0.093358945
285.239998	10320.04151	0.000232909	0.066434952
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285.439998	1209.878482	2.73053E-05	0.007794017
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285.759998	302.960052	6.83739E-06	0.001953852
285.799998	353.172071	7.9706E-06	0.002277998
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286.039998	8299.375135	0.000187305	0.053576818
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286.519998	799.554025	1.80448E-05	0.005170202
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286.839998	3988.252612	9.00093E-05	0.025818269
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286.919998	32504.19347	0.000733574	0.210477157
286.959998	65660.54128	0.001481867	0.42523654
286.999998	104433.7844	0.002356925	0.676437484
287.039998	131398.6628	0.002965485	0.85121275
287.079998	131365.2039	0.00296473	0.851114589
287.119998	106420.6088	0.002401765	0.689594736
287.159998	71120.59561	0.001605093	0.46091844
287.199998	40270.00293	0.000908838	0.261018236
287.239998	19716.09628	0.000444965	0.127811697
287.279998	8669.227348	0.000195652	0.056207017
287.319998	3459.291691	7.80714E-05	0.022431473
287.359998	1320.392223	2.97994E-05	0.008563159
287.399998	618.806892	1.39656E-05	0.004013716
287.439998	466.781956	1.05346E-05	0.003028071
287.479998	523.991638	1.18258E-05	0.00339967
287.519998	649.732746	1.46636E-05	0.004216068
287.559998	741.514054	1.67349E-05	0.004812299
287.599998	736.182976	1.66146E-05	0.004778366
287.639998	661.039924	1.49188E-05	0.004291229
287.679998	522.917863	1.18015E-05	0.003395063
287.719998	381.663236	8.61361E-06	0.002478307
287.759998	317.481928	7.16512E-06	0.002061836
287.799998	384.628342	8.68053E-06	0.002498255
287.839998	802.444108	1.811E-05	0.005212796
287.879998	2156.928393	4.86789E-05	0.014013673
287.919998	5603.924735	0.000126473	0.036414041
287.959998	11943.30746	0.000269544	0.077617836
287.999998	20109.63424	0.000453846	0.130707772

288.039998	26908.71349	0.000607292	0.174924439
288.079998	28778.22701	0.000649484	0.187103493
288.119998	25033.14393	0.000564963	0.162777193
288.159998	18117.24381	0.000408881	0.117823136
288.199998	11220.00987	0.00025322	0.072978002
288.239998	6063.531972	0.000136845	0.039444338
288.279998	2923.178806	6.59721E-05	0.019018429
288.319998	1330.78044	3.00339E-05	0.008659363
288.359998	726.423258	1.63944E-05	0.004727478
288.399998	654.081666	1.47617E-05	0.004257278
288.439998	936.611229	2.1138E-05	0.006097048
288.479998	1340.848156	3.02611E-05	0.008729715
288.519998	1626.03829	3.66974E-05	0.010587939
288.559998	1595.334295	3.60045E-05	0.010389451
288.599998	1268.110714	2.86195E-05	0.008259585
288.639998	865.869719	1.95415E-05	0.005640451
288.679998	545.734604	1.23165E-05	0.003555518
288.719998	353.664674	7.98172E-06	0.002304482
288.759998	293.634569	6.62692E-06	0.00191359
288.799998	385.972036	8.71085E-06	0.002515694
288.839998	804.710387	1.81612E-05	0.005245679
288.879998	2163.054171	4.88171E-05	0.014102289
288.919998	5552.586706	0.000125314	0.036205763
288.959998	11950.22294	0.0002697	0.077932479
288.999998	20780.03448	0.000468976	0.135534188
289.039998	29432.22089	0.000664244	0.191993151
289.079998	33923.00481	0.000765595	0.221318192
289.119998	32309.45817	0.000729179	0.210820366
289.159998	25911.4839	0.000584786	0.169096747
289.199998	17785.21453	0.000401388	0.11608127
289.239998	10724.82092	0.000242044	0.070008884
289.279998	5740.207919	0.000129548	0.037475789
289.319998	2692.452146	6.07649E-05	0.017580499
289.359998	1181.621554	2.66676E-05	0.007716523
289.399998	597.077294	1.34752E-05	0.003899724
289.439998	438.262745	9.89098E-06	0.002862845
289.479998	507.704802	1.14582E-05	0.003316917
289.519998	716.11937	1.61618E-05	0.004679169
289.559998	932.482967	2.10448E-05	0.006093744
289.599998	1035.32137	2.33658E-05	0.006766724
289.639998	950.829699	2.14589E-05	0.006215356
289.679998	687.155241	1.55081E-05	0.004492397
289.719998	430.199131	9.709E-06	0.00281289
289.759998	284.735385	6.42608E-06	0.001862021
289.799998	244.864346	5.52625E-06	0.001601506
289.839998	330.772575	7.46508E-06	0.002163678

289.879998	666.824887	1.50493E-05	0.004362494
289.919998	1532.824366	3.45937E-05	0.010029409
289.959998	3292.079514	7.42976E-05	0.021543346
289.999998	5923.787858	0.000133692	0.038770576
290.039998	8924.697821	0.000201418	0.058419276
290.079998	11149.89705	0.000251638	0.072995048
290.119998	11366.48513	0.000256526	0.074423246
290.159998	9641.341635	0.000217592	0.063136393
290.199998	6911.705142	0.000155988	0.045267589
290.239998	4279.235266	9.65764E-05	0.028030328
290.279998	2334.089801	5.26772E-05	0.015291125
290.319998	1134.507876	2.56043E-05	0.007433429
290.359998	569.404604	1.28507E-05	0.00373132
290.399998	380.182383	8.58019E-06	0.002491686
290.439998	383.130409	8.64672E-06	0.002511353
290.479998	482.379271	1.08866E-05	0.003162348
290.519998	565.91234	1.27719E-05	0.003710479
290.559998	608.14958	1.37251E-05	0.003987962
290.599998	576.431027	1.30092E-05	0.003780487
290.639998	480.301723	1.08397E-05	0.003150462
290.679998	373.671944	8.43326E-06	0.002451379
290.719998	278.494666	6.28524E-06	0.001827244
290.759998	226.966341	5.12231E-06	0.001489364
290.799998	236.242469	5.33166E-06	0.001550448
290.839998	325.487498	7.3458E-06	0.002136452
290.879998	642.549338	1.45014E-05	0.00421818
290.919998	1496.945328	3.3784E-05	0.009828433
290.959998	3337.078341	7.53132E-05	0.021913131
290.999998	6486.869215	0.0001464	0.042602284
291.039998	10603.20781	0.0002393	0.069645764
291.079998	14722.80284	0.000332273	0.096718069
291.119998	17626.7578	0.000397811	0.115810846
291.159998	18290.6637	0.000412795	0.120189334
291.199998	16497.03479	0.000372315	0.108418155
291.239998	12769.8413	0.000288198	0.083934648
291.279998	8446.49062	0.000190626	0.055525404
291.319998	4755.924063	0.000107335	0.03126871
291.359998	2341.736145	5.28497E-05	0.015398295
291.399998	1088.973052	2.45766E-05	0.007161623
291.439998	579.903738	1.30876E-05	0.003814256
291.479998	477.881875	1.07851E-05	0.003143649
291.519998	532.195781	1.20109E-05	0.003501423
291.559998	585.386697	1.32114E-05	0.003851905
291.599998	588.828419	1.3289E-05	0.003875083
291.639998	521.690878	1.17738E-05	0.003433722
291.679998	382.442505	8.63119E-06	0.002517547

291.719998	267.424057	6.03539E-06	0.001760644
291.759998	243.509143	5.49566E-06	0.001603414
291.799998	287.599862	6.49073E-06	0.001893995
291.839998	390.960725	8.82344E-06	0.002575032
291.879998	618.880425	1.39673E-05	0.004076766
291.919998	1187.38954	2.67977E-05	0.007822793
291.959998	2378.653183	5.36829E-05	0.015673256
291.999998	4254.682796	9.60223E-05	0.028038501
292.039998	6469.843316	0.000146015	0.042642323
292.079998	8318.869746	0.000187745	0.054836648
292.119998	9167.195788	0.000206891	0.060436952
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292.199998	7153.26417	0.000161439	0.047172536
292.239998	5120.009134	0.000115551	0.033768763
292.279998	3183.828422	7.18546E-05	0.021001654
292.319998	1765.664041	3.98486E-05	0.011648536
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292.399998	608.123441	1.37245E-05	0.004013043
292.439998	584.605358	1.31937E-05	0.003858374
292.479998	746.439467	1.68461E-05	0.004927147
292.519998	1000.698118	2.25844E-05	0.006606378
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292.599998	1108.493755	2.50172E-05	0.007320021
292.639998	848.915029	1.91588E-05	0.00560664
292.679998	579.745106	1.3084E-05	0.003829437
292.719998	398.817461	9.00075E-06	0.002634701
292.759998	330.595352	7.46108E-06	0.002184305
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292.839998	513.291197	1.15843E-05	0.003392337
292.879998	921.217992	2.07906E-05	0.006089153
292.919998	1850.924584	4.17728E-05	0.012236085
292.959998	3727.396526	8.41221E-05	0.024644424
292.999998	6803.433458	0.000153544	0.044988397
293.039998	10684.02995	0.000241124	0.070658881
293.079998	14582.49689	0.000329107	0.096454574
293.119998	17557.12854	0.00039624	0.116145849
293.159998	18879.46774	0.000426083	0.124910576
293.199998	18004.81532	0.000406344	0.119139944
293.239998	14974.83296	0.000337961	0.099103719
293.279998	10632.758	0.000239967	0.070377386
293.319998	6433.737541	0.0001452	0.042590209
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293.399998	1623.996019	3.66513E-05	0.0107535
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293.479998	659.564946	1.48855E-05	0.004368585
293.519998	745.761549	1.68308E-05	0.004940176

293.559998	830.967385	1.87538E-05	0.005505359
293.599998	809.476409	1.82688E-05	0.005363706
293.639998	662.961352	1.49621E-05	0.004393475
293.679998	491.997527	1.11037E-05	0.003260934
293.719998	345.604719	7.79982E-06	0.002290962
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293.799998	268.251536	6.05406E-06	0.001778684
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293.879998	612.605467	1.38257E-05	0.004063083
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294.079998	7875.825983	0.000177746	0.052271668
294.119998	9114.413422	0.0002057	0.060500371
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294.199998	7977.032654	0.000180031	0.052964977
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294.279998	4131.108139	9.32334E-05	0.027436712
294.319998	2436.796018	5.49951E-05	0.016186155
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294.439998	500.603543	1.12979E-05	0.003326561
294.479998	464.076123	1.04736E-05	0.003084251
294.519998	538.26906	1.2148E-05	0.003577824
294.559998	655.410579	1.47917E-05	0.004357044
294.599998	706.450422	1.59436E-05	0.004696985
294.639998	633.138511	1.42891E-05	0.004210127
294.679998	472.085395	1.06543E-05	0.003139612
294.719998	353.009825	7.96694E-06	0.002348017
294.759998	336.722784	7.59936E-06	0.002239989
294.799998	487.510575	1.10024E-05	0.003243518
294.839998	876.378038	1.97786E-05	0.005831532
294.879998	1610.149134	3.63388E-05	0.010715592
294.919998	2840.45663	6.41051E-05	0.018905891
294.959998	4861.745433	0.000109723	0.032363844
294.999998	7846.860759	0.000177093	0.052242351
295.039998	11521.60465	0.000260027	0.076718238
295.079998	15275.0627	0.000344737	0.10172496
295.119998	18152.31443	0.000409672	0.120902533
295.159998	19482.9407	0.000439703	0.129782688
295.199998	18710.3455	0.000422266	0.124653051
295.239998	15899.62126	0.000358832	0.105941649
295.279998	11757.99458	0.000265362	0.078355961
295.319998	7469.217412	0.00016857	0.049782043
295.359998	4096.799406	9.24591E-05	0.027308707

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295.479998	598.711188	1.35121E-05	0.003992549
295.519998	573.925028	1.29527E-05	0.003827778
295.559998	650.20675	1.46743E-05	0.004337124
295.599998	661.719591	1.49341E-05	0.004414517
295.639998	576.025962	1.30001E-05	0.003843351
295.679998	437.822263	9.88104E-06	0.002921625
295.719998	314.023313	7.08707E-06	0.002095788
295.759998	235.599538	5.31715E-06	0.001572601
295.799998	234.848627	5.30021E-06	0.001567801
295.839998	349.985835	7.89869E-06	0.002336749
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295.919998	1119.550291	2.52667E-05	0.007476919
295.959998	2124.592105	4.79491E-05	0.014191011
295.999998	3697.59969	8.34497E-05	0.024701104
296.039998	5761.305654	0.000130025	0.038492495
296.079998	7838.007552	0.000176893	0.052374453
296.119998	9051.056114	0.00020427	0.060488352
296.159998	8831.296873	0.00019931	0.05902767
296.199998	7456.838633	0.00016829	0.049847634
296.239998	5542.181116	0.000125079	0.037053494
296.279998	3668.256992	8.27875E-05	0.024528266
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296.399998	698.619073	1.57669E-05	0.004673297
296.439998	543.909405	1.22753E-05	0.003638883
296.479998	600.768506	1.35585E-05	0.004019827
296.519998	708.014155	1.59789E-05	0.004738061
296.559998	764.76539	1.72597E-05	0.005118534
296.599998	750.19343	1.69308E-05	0.005021681
296.639998	660.603196	1.49089E-05	0.004422574
296.679998	531.082298	1.19858E-05	0.003555943
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296.759998	383.513037	8.65536E-06	0.002568563
296.799998	430.979883	9.72662E-06	0.00288686
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296.879998	1088.226699	2.45598E-05	0.007291302
296.919998	1903.28708	4.29545E-05	0.012754061
296.959998	3380.557772	7.62945E-05	0.022656409
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297.039998	8751.159187	0.000197501	0.058665837
297.079998	11504.65824	0.000259644	0.077135072
297.119998	13033.4038	0.000294146	0.087396591
297.159998	12898.37034	0.000291098	0.086502756
297.199998	11179.59621	0.000252308	0.074985912

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297.279998	5868.497839	0.000132444	0.039372899
297.319998	3534.967896	7.97793E-05	0.023719982
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297.399998	1007.198576	2.27311E-05	0.00676022
297.439998	619.9062	1.39904E-05	0.00416131
297.479998	527.475273	1.19044E-05	0.003541316
297.519998	579.39894	1.30762E-05	0.003890439
297.559998	683.051619	1.54155E-05	0.004587043
297.599998	727.144601	1.64106E-05	0.004883807
297.639998	643.942783	1.45329E-05	0.00432557
297.679998	493.118628	1.1129E-05	0.003312881
297.719998	343.072227	7.74266E-06	0.002305145
297.759998	258.290993	5.82927E-06	0.001735723
297.799998	251.18432	5.66888E-06	0.001688193
297.839998	346.088284	7.81073E-06	0.002326348
297.879998	543.598019	1.22683E-05	0.003654466
297.919998	931.779175	2.1029E-05	0.006264947
297.959998	1766.492738	3.98673E-05	0.011878855
297.999998	3150.801968	7.11092E-05	0.021190545
298.039998	4919.470855	0.000111026	0.033090071
298.079998	6569.856809	0.000148273	0.044197072
298.119998	7436.974427	0.000167842	0.050037103
298.159998	7051.71728	0.000159147	0.047451399
298.199998	5670.402597	0.000127973	0.038161575
298.239998	4012.098025	9.05475E-05	0.027004875
298.279998	2594.146399	5.85463E-05	0.017463182
298.319998	1540.315875	3.47628E-05	0.010370434
298.359998	870.654302	1.96495E-05	0.005862611
298.399998	536.606931	1.21105E-05	0.003613765
298.439998	423.553742	9.55902E-06	0.002852793
298.479998	431.838552	9.74599E-06	0.002908984
298.519998	510.874744	1.15297E-05	0.003441855
298.559998	586.790942	1.32431E-05	0.003953846
298.599998	572.154787	1.29127E-05	0.003855743
298.639998	493.003576	1.11264E-05	0.003322789
298.679998	386.727848	8.72791E-06	0.002606852
298.719998	301.67482	6.80838E-06	0.002033799
298.759998	246.544437	5.56416E-06	0.00166235
298.799998	241.794108	5.45696E-06	0.001630539
298.839998	342.109728	7.72094E-06	0.002307326
298.879998	641.759103	1.44836E-05	0.004328861
298.919998	1343.319309	3.03168E-05	0.009062311
298.959998	2763.449961	6.23672E-05	0.018645303
298.999998	5026.503185	0.000113441	0.033918911
299.039998	8088.425367	0.000182544	0.054588105

299.079998	11138.3511	0.000251377	0.075181854
299.119998	13041.13616	0.00029432	0.088037081
299.159998	13109.26344	0.000295858	0.088508824
299.199998	11433.198	0.000258031	0.077202981
299.239998	8705.986255	0.000196482	0.058795268
299.279998	5799.58795	0.000130889	0.039172346
299.319998	3346.492799	7.55257E-05	0.022606347
299.359998	1701.788559	3.8407E-05	0.011497519
299.399998	851.632667	1.92202E-05	0.005754517
299.439998	528.237648	1.19216E-05	0.0035698
299.479998	494.627688	1.11631E-05	0.003343113
299.519998	558.853948	1.26126E-05	0.003777713
299.559998	646.703247	1.45952E-05	0.004372136
299.599998	676.498701	1.52676E-05	0.004574183
299.639998	620.412248	1.40018E-05	0.004195511
299.679998	500.769476	1.13017E-05	0.003386884
299.719998	365.832345	8.25633E-06	0.002474586
299.759998	271.293963	6.12273E-06	0.001835349
299.799998	255.801038	5.77307E-06	0.001730767
299.839998	331.458058	7.48055E-06	0.002242967
299.879998	539.819753	1.2183E-05	0.003653432
299.919998	996.356109	2.24864E-05	0.006744112
299.959998	1915.123833	4.32217E-05	0.012964774
299.999998	3414.848211	7.70684E-05	0.02312051
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300.079998	6934.995015	0.000156513	0.046966474
300.119998	7754.125262	0.000175	0.052520942
300.159998	7394.18454	0.000166876	0.050089634
300.199998	6069.818775	0.000136987	0.041123604
300.239998	4243.504732	9.577E-05	0.028753982
300.279998	2546.775808	5.74772E-05	0.017259248
300.319998	1386.004132	3.12802E-05	0.009394064
300.359998	763.662167	1.72348E-05	0.005176642
300.399998	498.554619	1.12517E-05	0.003380006
300.439998	435.689446	9.8329E-06	0.002954198
300.479998	468.038249	1.0563E-05	0.003173962
300.519998	575.660905	1.29919E-05	0.003904315
300.559998	714.215598	1.61189E-05	0.004844682
300.599998	769.819157	1.73737E-05	0.005222548
300.639998	686.294483	1.54887E-05	0.004656526
300.679998	517.012579	1.16683E-05	0.003508411
300.719998	368.888842	8.32531E-06	0.002503586
300.759998	315.629961	7.12333E-06	0.002142412
300.799998	489.94344	1.10573E-05	0.003326048
300.839998	1317.071831	2.97245E-05	0.008942312
300.879998	4048.299999	9.13645E-05	0.027489748

300.919998	11312.73508	0.000255313	0.076828689
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301.039998	62624.84833	0.001413356	0.425476566
301.079998	69785.28535	0.001574957	0.474187956
301.119998	63105.76043	0.001424209	0.428857846
301.159998	47198.99046	0.001065215	0.320800289
301.199998	29940.22257	0.000675709	0.203523586
301.239998	16422.81528	0.00037064	0.111651613
301.279998	8063.89096	0.000181991	0.054830184
301.319998	3673.953184	8.2916E-05	0.024984251
301.359998	1601.8106	3.61506E-05	0.010894355
301.399998	783.330349	1.76787E-05	0.005328353
301.439998	581.812135	1.31307E-05	0.003958115
301.479998	679.486921	1.53351E-05	0.004623218
301.519998	851.201249	1.92104E-05	0.005792328
301.559998	958.669988	2.16358E-05	0.006524506
301.599998	922.812221	2.08266E-05	0.006281298
301.639998	755.170502	1.70431E-05	0.005140895
301.679998	533.968179	1.20509E-05	0.003635521
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301.759998	317.241396	7.1597E-06	0.00216051
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301.879998	1197.968184	2.70365E-05	0.008161771
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301.959998	5899.346187	0.00013314	0.040202962
301.999998	10543.16514	0.000237945	0.071859254
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302.079998	17857.50916	0.000403019	0.121744011
302.119998	16974.59107	0.000383093	0.115740019
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302.239998	5583.920173	0.000126021	0.038088678
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302.319998	1542.155641	3.48043E-05	0.010522037
302.359998	765.643387	1.72795E-05	0.005224631
302.399998	451.079895	1.01802E-05	0.003078506
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302.519998	534.983706	1.20738E-05	0.003652577
302.559998	620.986844	1.40148E-05	0.00424032
302.599998	598.818614	1.35145E-05	0.004089488
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303.039998	35944.67731	0.000811221	0.245832501
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303.119998	37903.62865	0.000855432	0.259298577
303.159998	29898.52659	0.000674768	0.204562696
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307.119998	14227.49131	0.000321095	0.098614592
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309.839998	698.238794	1.57583E-05	0.004882545
309.879998	1008.990701	2.27715E-05	0.007056437
309.919998	1415.754488	3.19516E-05	0.009902442
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310.919998	1274.597212	2.87659E-05	0.008943889
310.959998	2609.120481	5.88842E-05	0.018310635
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311.039998	8528.083251	0.000192467	0.059864923
311.079998	12150.92186	0.000274229	0.085307275
311.119998	15094.0059	0.000340651	0.105983242
311.159998	16451.46185	0.000371287	0.115529531
311.199998	15796.25784	0.0003565	0.110942655
311.239998	13354.17296	0.000301385	0.093803093
311.279998	9865.021983	0.00022264	0.069303318
311.319998	6366.11955	0.000143674	0.04472873
311.359998	3541.017143	7.99158E-05	0.024882591
311.399998	1775.791936	4.00772E-05	0.012480025
311.439998	923.17013	2.08347E-05	0.006488748
311.479998	642.891811	1.45092E-05	0.004519317
311.519998	629.918518	1.42164E-05	0.004428688
311.559998	669.907555	1.51189E-05	0.004710438
311.599998	701.112089	1.58231E-05	0.004930485
311.639998	646.567941	1.45921E-05	0.004547494
311.679998	526.012157	1.18714E-05	0.003700066
311.719998	402.742872	9.08935E-06	0.002833331
311.759998	313.129019	7.06689E-06	0.002203172
311.799998	304.063732	6.86229E-06	0.002139664
311.839998	405.054254	9.14151E-06	0.002850689
311.879997	592.409518	1.33699E-05	0.004169791
311.919997	898.570503	2.02795E-05	0.006325577

311.959997	1494.892936	3.37377E-05	0.010524798
311.999997	2701.995933	6.09803E-05	0.019025849
312.039997	4555.385309	0.000102809	0.032080427
312.079997	6584.736582	0.000148608	0.046377688
312.119997	8045.156039	0.000181568	0.056670993
312.159997	8300.303068	0.000187326	0.058475771
312.199997	7436.828544	0.000167839	0.052399292
312.239997	5977.948957	0.000134914	0.042125541
312.279997	4278.646766	9.65631E-05	0.030154724
312.319997	2735.110057	6.17276E-05	0.019278771
312.359997	1611.014763	3.63584E-05	0.011356897
312.399997	925.95597	2.08975E-05	0.00652839
312.439997	591.809556	1.33563E-05	0.004173048
312.479997	508.401577	1.14739E-05	0.003585369
312.519997	576.233186	1.30048E-05	0.004064254
312.559997	736.84373	1.66295E-05	0.005197728
312.599997	876.671182	1.97852E-05	0.006184868
312.639997	824.713524	1.86126E-05	0.005819054
312.679997	632.489732	1.42744E-05	0.004463323
312.719997	474.615368	1.07114E-05	0.003349671
312.759997	410.512192	9.26469E-06	0.002897624
312.799997	467.209974	1.05443E-05	0.00329825
312.839997	686.095953	1.54842E-05	0.004844086
312.879997	1138.085589	2.5685E-05	0.008036325
312.919997	1973.737489	4.45445E-05	0.013938867
312.959997	3450.457908	7.7872E-05	0.02437083
312.999997	5951.780441	0.000134323	0.042043222
313.039997	9531.846658	0.000215121	0.067341321
313.079997	13480.12344	0.000304228	0.095247579
313.119997	16558.57112	0.000373704	0.11701416
313.159997	17633.57203	0.000397965	0.124626768
313.199997	16405.24049	0.000370243	0.11596024
313.239997	13534.38511	0.000305452	0.095679852
313.279997	9910.621248	0.000223669	0.070070998
313.319997	6414.359242	0.000144763	0.045357191
313.359997	3688.462096	8.32435E-05	0.026085168
313.399997	1959.70502	4.42278E-05	0.013860996
313.439997	1043.092289	2.35411E-05	0.007378735
313.479997	657.739626	1.48443E-05	0.004653381
313.519997	587.731721	1.32643E-05	0.004158619
313.559997	613.379998	1.38431E-05	0.004340652
313.599997	623.656249	1.40751E-05	0.004413937
313.639997	595.498896	1.34396E-05	0.00421519
313.679997	514.072167	1.16019E-05	0.003639282
313.719997	385.740869	8.70563E-06	0.002731132
313.759997	302.133513	6.81873E-06	0.002139446

313.799997	289.381461	6.53094E-06	0.002049408
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313.919997	792.809652	1.78926E-05	0.005616848
313.959997	1516.287723	3.42205E-05	0.010743869
313.999997	2823.817697	6.37296E-05	0.020011104
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314.079997	6692.345793	0.000151037	0.047437676
314.119997	8121.219368	0.000183285	0.057573361
314.159997	8249.794435	0.000186186	0.058492309
314.199997	7228.701233	0.000163142	0.051259127
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314.279997	3748.566242	8.45999E-05	0.026588062
314.319997	2262.510668	5.10617E-05	0.016049718
314.359997	1264.179873	2.85308E-05	0.008968936
314.399997	736.966541	1.66323E-05	0.005229198
314.439997	508.03253	1.14656E-05	0.003605239
314.479997	446.442263	1.00756E-05	0.003168568
314.519997	500.787255	1.13021E-05	0.003554727
314.559997	619.382013	1.39786E-05	0.004397105
314.599997	668.118068	1.50785E-05	0.004743694
314.639997	620.000124	1.39925E-05	0.004402612
314.679997	534.970715	1.20735E-05	0.003799303
314.719997	423.505849	9.55794E-06	0.003008074
314.759997	322.92698	7.28801E-06	0.002293975
314.799997	313.290058	7.07052E-06	0.0022258
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314.919997	1398.442751	3.15609E-05	0.00993916
314.959997	2732.346491	6.16653E-05	0.019422088
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315.039997	8193.388483	0.000184913	0.058255106
315.079997	11338.31933	0.00025589	0.080625844
315.119997	13333.16427	0.000300911	0.094823056
315.159997	13495.17169	0.000304567	0.095987407
315.199997	12028.33378	0.000271463	0.085565055
315.239997	9426.843834	0.000212751	0.067067541
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315.319997	3803.994913	8.58509E-05	0.027070495
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315.519997	421.711714	9.51745E-06	0.003002945
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315.719997	403.700287	9.11095E-06	0.00287651
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315.799997	272.2693	6.14474E-06	0.001940509
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315.879997	392.504451	8.85828E-06	0.002798153
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316.199997	6416.454648	0.00014481	0.045789062
316.239997	4856.600267	0.000109607	0.034662024
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316.319997	1908.866057	4.30804E-05	0.013627207
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316.399997	590.590293	1.33288E-05	0.004217232
316.439997	418.597952	9.44717E-06	0.002989463
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316.799997	310.179432	7.00032E-06	0.002217701
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317.039997	12317.46085	0.000277988	0.088133294
317.079997	16390.67539	0.000369915	0.117292556
317.119997	18748.7569	0.000423133	0.13418404
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317.199997	16958.23318	0.000382724	0.121399957
317.239997	13423.30307	0.000302945	0.096106351
317.279997	9282.525019	0.000209494	0.066468148
317.319997	5541.475061	0.000125063	0.039685109
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318.079997	7407.214465	0.000167171	0.053173596
318.119997	8668.725557	0.000195641	0.062237334
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318.639997	721.834754	1.62908E-05	0.005190902
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318.719997	463.251703	1.04549E-05	0.0033322
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318.839997	593.458539	1.33935E-05	0.004270394
318.879997	958.253925	2.16265E-05	0.006896244
318.919997	1772.206461	3.99962E-05	0.012755598
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319.079997	12020.01693	0.000271275	0.086558439
319.119997	13242.75524	0.000298871	0.095375566
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319.399997	850.737686	1.92E-05	0.006132469
319.439997	513.531864	1.15897E-05	0.003702213
319.479997	449.057991	1.01346E-05	0.003237806
319.519997	535.239328	1.20796E-05	0.003859676
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319.599997	636.543205	1.43659E-05	0.00459134
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319.679997	497.275851	1.12228E-05	0.003587712
319.719997	376.585129	8.499E-06	0.002717301
319.759997	280.707126	6.33517E-06	0.002025734
319.799997	274.302345	6.19062E-06	0.001979761
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320.839997	764.015559	1.72428E-05	0.005532169
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321.039997	24705.34232	0.000557565	0.179000719
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321.439997	598.070029	1.34976E-05	0.004338671
321.479997	628.207212	1.41778E-05	0.004557867
321.519997	722.380944	1.63031E-05	0.005241783
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321.679997	550.093039	1.24148E-05	0.003993604
321.719997	393.397479	8.87843E-06	0.002856369
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322.199997	7031.386297	0.000158689	0.051129465
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322.679997	563.066146	1.27076E-05	0.004100494
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322.759997	312.827111	7.06007E-06	0.002278709
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322.959997	3111.247731	7.02165E-05	0.02267713

322.999997	5628.662806	0.000127031	0.041031038
323.039997	8872.346358	0.000200236	0.064684398
323.079997	11753.44536	0.000265259	0.085699842
323.119997	13381.53001	0.000302002	0.097583045
323.159997	13060.33087	0.000294753	0.095252532
323.199997	10906.1602	0.000246137	0.079551427
323.239997	7835.976534	0.000176847	0.057164048
323.279997	4869.262775	0.000109892	0.03552604
323.319997	2649.394213	5.97931E-05	0.019332317
323.359997	1294.744457	2.92206E-05	0.009448766
323.399997	651.875159	1.47119E-05	0.004757833
323.439997	423.506656	9.55796E-06	0.003091425
323.479997	401.460307	9.0604E-06	0.002930858
323.519997	500.396572	1.12933E-05	0.003653593
323.559997	618.339667	1.39551E-05	0.004515301
323.599997	704.431055	1.5898E-05	0.005144602
323.639997	700.543906	1.58103E-05	0.005116846
323.679997	585.976697	1.32247E-05	0.004280564
323.719997	433.528372	9.78413E-06	0.003167319
323.759997	310.146504	6.99957E-06	0.002266182
323.799997	262.404116	5.9221E-06	0.001917574
323.839997	319.955767	7.22096E-06	0.002338434
323.879997	487.244511	1.09964E-05	0.003561524
323.919997	816.155946	1.84195E-05	0.005966445
323.959997	1545.993357	3.48909E-05	0.011303261
323.999997	2951.09824	6.66022E-05	0.021579105
324.039997	4897.930942	0.000110539	0.035819212
324.079997	6887.791362	0.000155448	0.050377541
324.119997	8231.274592	0.000185768	0.060211254
324.159997	8359.882452	0.000188671	0.061159559
324.199997	7276.292517	0.000164216	0.053238758
324.239997	5545.345014	0.000125151	0.040578867
324.279997	3765.921292	8.49916E-05	0.027561075
324.319997	2235.411347	5.04501E-05	0.016361983
324.359997	1213.916258	2.73964E-05	0.008886296
324.399997	687.243503	1.55101E-05	0.005031486
324.439997	453.756555	1.02407E-05	0.003322478
324.479997	411.546794	9.28804E-06	0.003013783
324.519997	487.576721	1.10039E-05	0.003570995
324.559997	576.209564	1.30042E-05	0.004220658
324.599997	670.85324	1.51402E-05	0.004914516
324.639997	693.01811	1.56405E-05	0.005077517
324.679997	596.154759	1.34544E-05	0.004368369
324.719997	463.731517	1.04658E-05	0.003398446
324.759997	394.108217	8.89447E-06	0.002888569
324.799997	448.916941	1.01314E-05	0.003290688

324.839997	676.278443	1.52627E-05	0.004957923
324.879997	1249.394421	2.81971E-05	0.009160671
324.919997	2552.477979	5.76059E-05	0.0187173
324.959997	5447.549265	0.000122944	0.039951752
324.999997	10279.79644	0.000232001	0.075400223
325.039997	16207.6141	0.000365783	0.118894195
325.079997	21279.23794	0.000480243	0.156117315
325.119997	23485.69761	0.000530039	0.172326435
325.159997	22167.32908	0.000500286	0.16267291
325.199997	17992.88635	0.000406074	0.132055388
325.239997	12683.46088	0.000286248	0.093099313
325.279997	7815.938215	0.000176395	0.057377713
325.319997	4219.869979	9.52366E-05	0.030982366
325.359997	2017.977445	4.55429E-05	0.014817851
325.399997	966.880251	2.18211E-05	0.007100599
325.439997	568.72944	1.28354E-05	0.004177163
325.479997	502.649318	1.13441E-05	0.003692276
325.519997	602.269192	1.35924E-05	0.00442459
325.559997	737.277276	1.66393E-05	0.005417097
325.599997	772.76363	1.74402E-05	0.005678529
325.639997	736.080617	1.66123E-05	0.005409634
325.679997	609.710512	1.37603E-05	0.00448146
325.719997	464.451346	1.0482E-05	0.003414204
325.759997	353.131197	7.96968E-06	0.002596203
325.799997	339.173889	7.65468E-06	0.002493895
325.839997	424.241413	9.57454E-06	0.003119767
325.879997	568.003183	1.2819E-05	0.004177469
325.919997	930.665486	2.10038E-05	0.006845566
325.959997	1739.995136	3.92693E-05	0.01280021
325.999997	3223.424457	7.27482E-05	0.023715913
326.039997	5350.931856	0.000120763	0.039373594
326.079997	7542.662138	0.000170227	0.055507743
326.119997	8795.024308	0.000198491	0.06473203
326.159997	8672.427312	0.000195725	0.063837536
326.199997	7386.423033	0.000166701	0.054377957
326.239997	5567.899035	0.00012566	0.040995229
326.279997	3783.023658	8.53776E-05	0.027856995
326.319997	2331.478231	5.26182E-05	0.017170376
326.359997	1356.447192	3.06131E-05	0.009990899
326.399997	764.024833	1.7243E-05	0.005628107
326.439997	488.185045	1.10177E-05	0.003596604
326.479997	426.843593	9.63327E-06	0.003145068
326.519997	511.506771	1.1544E-05	0.003769345
326.559997	605.328885	1.36614E-05	0.004461276
326.599997	586.260009	1.32311E-05	0.004321268
326.639997	503.130004	1.13549E-05	0.003708979

326.679997	432.203952	9.75424E-06	0.003186515
326.719997	350.804466	7.91717E-06	0.002586697
326.759997	282.178158	6.36837E-06	0.002080928
326.799997	286.037026	6.45546E-06	0.002109643
326.839997	364.257782	8.22079E-06	0.002686883
326.879997	583.807918	1.31757E-05	0.004306883
326.919997	1192.750471	2.69187E-05	0.008800267
326.959997	2592.706018	5.85138E-05	0.01913166
326.999997	4998.622256	0.000112812	0.036889505
327.039997	8117.485841	0.0001832	0.059913841
327.079997	11252.36386	0.00025395	0.083062024
327.119997	13482.4527	0.00030428	0.099536131
327.159997	13984.98018	0.000315622	0.103258737
327.199997	12508.0707	0.00028229	0.0923652
327.239997	9671.125176	0.000218264	0.071424653
327.279997	6415.320578	0.000144785	0.047385185
327.319997	3636.688081	8.2075E-05	0.026864784
327.359997	1827.67261	4.1248E-05	0.013502953
327.399997	886.721504	2.00121E-05	0.006551951
327.439997	522.291452	1.17874E-05	0.003859663
327.479997	455.096495	1.02709E-05	0.003363512
327.519997	493.145078	1.11296E-05	0.003645166
327.559997	533.963287	1.20508E-05	0.003947363
327.599997	537.88528	1.21393E-05	0.003976842
327.639997	520.762909	1.17529E-05	0.003850718
327.679997	430.338989	9.71215E-06	0.003182478
327.719997	323.359058	7.29776E-06	0.002391623
327.759997	270.03645	6.09435E-06	0.001997483
327.799997	279.688235	6.31217E-06	0.002069131
327.839997	352.091905	7.94622E-06	0.00260509
327.879997	490.717015	1.10748E-05	0.003631205
327.919997	730.715865	1.64912E-05	0.005407807
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327.999997	2490.337063	5.62034E-05	0.018434728
328.039997	4228.610428	9.54338E-05	0.031306119
328.079997	6083.135437	0.000137288	0.045041412
328.119997	7339.296451	0.000165638	0.054349041
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328.199997	6827.735965	0.000154092	0.050573155
328.239997	5438.158437	0.000122732	0.04028544
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328.639997	516.729887	1.16619E-05	0.003832558
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328.999997	5551.308091	0.000125285	0.04121886
329.039997	9282.384254	0.00020949	0.068930748
329.079997	12965.83023	0.000292621	0.096295628
329.119997	15254.05407	0.000344263	0.113303756
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330.039997	4719.393032	0.00010651	0.035152602
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330.119997	8035.365187	0.000181347	0.059866271
330.159997	8146.320867	0.000183851	0.060700284
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330.519997	532.156972	1.201E-05	0.003969559
330.559997	629.77954	1.42132E-05	0.004698331
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330.679997	498.018935	1.12396E-05	0.003716709
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330.759997	274.320247	6.19103E-06	0.002047744
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330.839997	323.349445	7.29755E-06	0.00241432
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331.039997	9689.139565	0.00021867	0.072388643
331.079997	14028.5957	0.000316606	0.104821869
331.119997	17533.39196	0.000395704	0.131025585
331.159997	19039.94906	0.000429705	0.14230115
331.199997	17851.33659	0.00040288	0.133433789
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331.319997	6013.553304	0.000135718	0.044965929
331.359997	3103.234183	7.00357E-05	0.02320702
331.399997	1417.068354	3.19813E-05	0.010598589
331.439997	697.286147	1.57368E-05	0.005215797
331.479997	489.531308	1.1048E-05	0.003662204
331.519997	462.522382	1.04385E-05	0.003460567
331.559997	537.640932	1.21338E-05	0.004023085
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331.679997	509.524556	1.14993E-05	0.003814074
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331.799997	222.997441	5.03274E-06	0.001669864
331.839997	278.154315	6.27756E-06	0.002083144
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332.039997	4813.576621	0.000108636	0.036071404
332.079997	6893.457125	0.000155576	0.051663586
332.119997	8358.726036	0.000188645	0.062652712
332.159997	8778.768538	0.000198125	0.065809059

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332.239997	6187.760285	0.000139649	0.046397027
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332.319997	2431.220249	5.48693E-05	0.018234151
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332.399997	695.222951	1.56902E-05	0.005215427
332.439997	471.022619	1.06303E-05	0.003533945
332.479997	441.741571	9.96949E-06	0.003314657
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332.559997	746.084966	1.68381E-05	0.005599678
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332.839997	378.588358	8.54421E-06	0.002843855
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332.919997	1013.01626	2.28624E-05	0.007611339
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333.679997	540.243533	1.21925E-05	0.004068408
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334.319997	2084.929684	4.7054E-05	0.015731079
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334.679997	467.101712	1.05418E-05	0.003528141
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334.799997	251.573377	5.67766E-06	0.001900881
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335.039997	5561.102525	0.000125506	0.042049643
335.079997	8167.806369	0.000184336	0.061767311
335.119997	10454.09892	0.000235934	0.079066353
335.159997	11862.09527	0.000267711	0.089726007
335.199997	11896.48052	0.000268487	0.08999684
335.239997	10467.49038	0.000236237	0.079195983
335.279997	7943.734821	0.000179279	0.060108673
335.319997	5206.994455	0.000117515	0.039404999
335.359997	2960.70438	6.6819E-05	0.022408411
335.399997	1497.993176	3.38076E-05	0.011339075
335.439997	745.974517	1.68356E-05	0.005647336
335.479997	471.586129	1.0643E-05	0.003570528
335.519997	446.747215	1.00825E-05	0.003382868
335.559997	523.380491	1.1812E-05	0.003963624
335.599997	564.125941	1.27315E-05	0.004272704
335.639997	570.614286	1.2878E-05	0.004322362
335.679997	510.733377	1.15265E-05	0.003869229
335.719997	395.986495	8.93686E-06	0.003000284
335.759997	299.050262	6.74915E-06	0.002266094
335.799997	274.598316	6.1973E-06	0.002081054
335.839997	317.354778	7.16226E-06	0.002405372

335.879997	465.24888	1.05E-05	0.003526746
335.919997	794.773006	1.79369E-05	0.00602537
335.959997	1482.875059	3.34664E-05	0.01124338
335.999997	2858.818836	6.45196E-05	0.021678572
336.039997	5181.951347	0.000116949	0.039299684
336.079997	7962.671352	0.000179706	0.060395727
336.119997	10130.2363	0.000228625	0.076845543
336.159997	10777.81709	0.00024324	0.081767665
336.199997	9715.181088	0.000219258	0.073714574
336.239997	7587.704802	0.000171244	0.057579058
336.279997	5113.276566	0.0001154	0.038806554
336.319997	3001.752918	6.77454E-05	0.022784127
336.359997	1585.503184	3.57826E-05	0.012035835
336.399997	804.705356	1.81611E-05	0.006109387
336.439997	498.62787	1.12533E-05	0.003786072
336.479997	415.480229	9.37681E-06	0.003155109
336.519997	466.375249	1.05254E-05	0.003542021
336.559997	546.5499	1.23349E-05	0.004151424
336.599997	582.324691	1.31423E-05	0.004423684
336.639997	572.565989	1.2922E-05	0.004350068
336.679997	460.135692	1.03846E-05	0.003496294
336.719997	323.4022	7.29874E-06	0.002457631
336.759997	246.088627	5.55388E-06	0.001870324
336.799997	241.542686	5.45128E-06	0.001835992
336.839997	317.898449	7.17453E-06	0.002416667
336.879997	556.259937	1.2554E-05	0.004229196
336.919997	1108.61408	2.50199E-05	0.008429696
336.959997	2271.053621	5.12545E-05	0.017270722
336.999997	4344.183437	9.80422E-05	0.033040211
337.039997	7054.250347	0.000159205	0.053658319
337.079997	9653.558595	0.000217867	0.073438733
337.119997	11252.70626	0.000253958	0.085614289
337.159997	11348.76091	0.000256126	0.086355349
337.199997	9997.544504	0.000225631	0.076082656
337.239997	7839.902479	0.000176936	0.059669788
337.279997	5456.113774	0.000123137	0.041531609
337.319997	3362.835981	7.58945E-05	0.025600741
337.359997	1847.383789	4.16929E-05	0.01406551
337.399997	962.997039	2.17335E-05	0.007332883
337.439997	559.071012	1.26175E-05	0.004257634
337.479997	458.065931	1.03379E-05	0.003488838
337.519997	532.335696	1.20141E-05	0.004054991
337.559997	619.885031	1.39899E-05	0.004722445
337.599997	643.376638	1.45201E-05	0.004901991
337.639997	626.630143	1.41422E-05	0.004774962
337.679997	573.398462	1.29408E-05	0.004369851

337.719997	518.105075	1.16929E-05	0.003948929
337.759997	463.934641	1.04704E-05	0.003536468
337.799997	422.771766	9.54137E-06	0.003223075
337.839997	442.358661	9.98342E-06	0.003372798
337.879997	565.381647	1.27599E-05	0.004311307
337.919997	832.373323	1.87855E-05	0.006347998
337.959997	1379.541685	3.11343E-05	0.01052216
337.999997	2410.096913	5.43925E-05	0.018384675
338.039997	3901.366026	8.80484E-05	0.02976388
338.079997	5598.782323	0.000126357	0.042718679
338.119997	6910.959035	0.000155971	0.052736819
338.159997	7204.112046	0.000162587	0.054980343
338.199997	6408.481928	0.000144631	0.048914038
338.239997	5004.241631	0.000112939	0.038200407
338.279997	3496.124374	7.89027E-05	0.026691191
338.319997	2273.238547	5.13038E-05	0.017357111
338.359997	1443.017633	3.25669E-05	0.011019336
338.399997	950.001153	2.14402E-05	0.007255365
338.439997	664.50924	1.4997E-05	0.005075601
338.479997	520.887131	1.17557E-05	0.003979068
338.519997	491.898492	1.11015E-05	0.003758067
338.559997	582.952259	1.31564E-05	0.004454238
338.599997	688.602926	1.55408E-05	0.005262118
338.639997	657.519852	1.48393E-05	0.005025183
338.679997	530.934747	1.19825E-05	0.004058219
338.719997	401.767676	9.06734E-06	0.003071288
338.759997	319.173257	7.2033E-06	0.002440188
338.799997	305.588734	6.89671E-06	0.002336606
338.839997	400.005409	9.02756E-06	0.0030589
338.879997	710.165645	1.60274E-05	0.005431382
338.919997	1446.767891	3.26515E-05	0.011066259
338.959997	2980.034507	6.72552E-05	0.022796832
338.999997	5607.657734	0.000126557	0.042902831
339.039997	8962.669648	0.000202275	0.068579305
339.079997	12189.74743	0.000275106	0.093282813
339.119997	14037.20958	0.0003168	0.107433306
339.159997	13740.71146	0.000310109	0.105176472
339.199997	11618.49034	0.000262213	0.088942698
339.239997	8578.094291	0.000193596	0.065675384
339.279997	5658.189462	0.000127697	0.043325192
339.319997	3412.333647	7.70116E-05	0.026131582
339.359997	1950.803239	4.40269E-05	0.014940973
339.399997	1103.950526	2.49146E-05	0.008456024
339.439997	679.35495	1.53321E-05	0.005204326
339.479997	533.255442	1.20348E-05	0.004085585
339.519997	559.056685	1.26171E-05	0.004283768

339.559997	645.931094	1.45778E-05	0.004950026
339.599997	701.558712	1.58332E-05	0.005376956
339.639997	647.517488	1.46136E-05	0.004963352
339.679997	496.700137	1.12098E-05	0.003807755
339.719997	364.084429	8.21688E-06	0.002791438
339.759997	298.854439	6.74473E-06	0.002291589
339.799997	259.707516	5.86124E-06	0.001991648
339.839997	292.860837	6.60946E-06	0.002246159
339.879997	420.992965	9.50122E-06	0.003229276
339.919997	654.820954	1.47784E-05	0.005023473
339.959997	1188.920096	2.68323E-05	0.009121899
339.999997	2282.293268	5.15082E-05	0.017512781
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340.079997	5538.141444	0.000124988	0.042505966
340.119997	6734.058879	0.000151978	0.051690869
340.159997	6929.869138	0.000156397	0.053200171
340.199997	6125.146806	0.000138236	0.047027898
340.239997	4755.343085	0.000107321	0.036515057
340.279997	3258.944243	7.35498E-05	0.025027537
340.319997	1994.354479	4.50098E-05	0.015317736
340.359997	1125.800784	2.54078E-05	0.008647784
340.399997	641.596045	1.44799E-05	0.004928968
340.439997	429.411933	9.69123E-06	0.003299282
340.479997	361.694962	8.16295E-06	0.002779322
340.519997	413.807817	9.33907E-06	0.003180139
340.559997	482.178241	1.08821E-05	0.003706005
340.599997	541.580249	1.22227E-05	0.004163056
340.639997	555.418023	1.2535E-05	0.004269926
340.679997	481.824377	1.08741E-05	0.00370459
340.719997	373.578818	8.43115E-06	0.002872663
340.759997	290.250883	6.55056E-06	0.002232168
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340.839997	353.030244	7.9674E-06	0.002715609
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341.039997	6699.717121	0.000151203	0.051566367
341.079997	9200.632465	0.000207645	0.070823713
341.119997	10758.88652	0.000242813	0.082828398
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341.199997	9402.886094	0.00021221	0.072406066
341.239997	7054.624233	0.000159213	0.054329858
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341.519997	406.311367	9.16988E-06	0.003131698
341.559997	499.380547	1.12703E-05	0.003849492
341.599997	555.66193	1.25405E-05	0.00428384
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342.239997	5146.003404	0.000116138	0.039747113
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342.719997	412.120605	9.30099E-06	0.003187635
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343.479997	368.587227	8.3185E-06	0.002857238
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344.559997	686.971642	1.5504E-05	0.005342056
344.599997	777.904891	1.75562E-05	0.006049877
344.639997	700.763579	1.58153E-05	0.00545057
344.679997	541.799369	1.22277E-05	0.004214629
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344.759997	305.225403	6.88851E-06	0.002374883
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346.199997	8603.158104	0.000194161	0.06721864
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346.319997	2958.421461	6.67675E-05	0.023122904
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346.559997	555.419419	1.2535E-05	0.004344144
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346.679997	487.620318	1.10049E-05	0.003815183
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347.039997	7403.778366	0.000167093	0.057987942
347.079997	10700.9449	0.000241505	0.083821701
347.119997	13332.34556	0.000300892	0.104445793
347.159997	14426.62885	0.000325589	0.113031448
347.199997	13340.34138	0.000301073	0.104532518
347.239997	10588.64158	0.000238971	0.082980252
347.279997	7167.14374	0.000161752	0.056173391
347.319997	4102.904601	9.25968E-05	0.032160735
347.359997	2026.434202	4.57338E-05	0.015886092
347.399997	919.982361	2.07627E-05	0.007212969
347.439997	480.776437	1.08505E-05	0.003769882
347.479997	370.26936	8.35646E-06	0.002903704
347.519997	387.226298	8.73916E-06	0.003037032
347.559997	459.242232	1.03645E-05	0.003602271
347.599997	507.147593	1.14456E-05	0.003978496
347.639997	520.062735	1.17371E-05	0.004080282
347.679997	484.764689	1.09405E-05	0.00380378
347.719997	391.302688	8.83116E-06	0.00307077
347.759997	325.997237	7.3573E-06	0.002558576
347.799997	298.64441	6.73999E-06	0.002344168
347.839997	313.840464	7.08294E-06	0.002463731
347.879997	390.038334	8.80262E-06	0.003062256
347.919997	603.425293	1.36185E-05	0.004738137
347.959997	1102.829367	2.48893E-05	0.008660489
347.999997	2050.787495	4.62834E-05	0.016106629
348.039997	3405.266388	7.68521E-05	0.026747611
348.079997	4943.122562	0.000111559	0.038831592
348.119997	6239.439298	0.000140815	0.049020675
348.159997	6774.111599	0.000152882	0.053227488
348.199997	6267.680738	0.000141453	0.049253873
348.239997	4951.125424	0.00011174	0.038912339
348.279997	3448.399552	7.78256E-05	0.027105091
348.319997	2108.62455	4.75887E-05	0.016576102
348.359997	1132.171402	2.55515E-05	0.008901131
348.399997	594.843079	1.34248E-05	0.004677193
348.439997	362.30687	8.17676E-06	0.002849111
348.479997	310.464586	7.00675E-06	0.002441713
348.519997	353.037582	7.96757E-06	0.002776856
348.559997	448.679954	1.01261E-05	0.003529547
348.599997	528.887264	1.19362E-05	0.004160976
348.639997	563.955231	1.27277E-05	0.00443738
348.679997	526.756563	1.18882E-05	0.004145164
348.719997	420.788743	9.49662E-06	0.00331166

348.759997	318.648362	7.19145E-06	0.00250809
348.799997	281.748714	6.35868E-06	0.002217906
348.839997	339.349602	7.65865E-06	0.002671643
348.879997	513.789669	1.15955E-05	0.004045444
348.919997	897.679194	2.02594E-05	0.007068899
348.959997	1695.916888	3.82745E-05	0.013356263
348.999997	3219.232357	7.26536E-05	0.025356103
349.039997	5819.825103	0.000131345	0.045844779
349.079997	9231.456693	0.000208341	0.072727717
349.119997	12523.06249	0.000282628	0.098671113
349.159997	14853.10018	0.000335214	0.117043243
349.199997	15276.05721	0.000344759	0.120389958
349.239997	13342.38749	0.000301119	0.105162834
349.279997	9826.271086	0.000221765	0.077458166
349.319997	6090.715845	0.000137459	0.048017168
349.359997	3188.017925	7.19491E-05	0.025136146
349.399997	1470.791137	3.31937E-05	0.011597881
349.439997	670.506072	1.51324E-05	0.005287862
349.479997	422.51502	9.53558E-06	0.003332493
349.519997	440.205403	9.93482E-06	0.003472419
349.559997	513.081553	1.15795E-05	0.004047743
349.599997	566.635411	1.27882E-05	0.004470745
349.639997	594.533949	1.34178E-05	0.004691401
349.679997	575.495602	1.29881E-05	0.004541691
349.719997	475.175031	1.0724E-05	0.003750411
349.759997	355.205517	8.01649E-06	0.002803849
349.799997	285.567995	6.44487E-06	0.002254416
349.839997	274.97839	6.20588E-06	0.002171065
349.879997	342.199338	7.72296E-06	0.00270211
349.919997	530.222365	1.19664E-05	0.004187276
349.959997	976.733802	2.20435E-05	0.007714351
349.999997	1801.927484	4.0667E-05	0.014233448
350.039997	3146.017636	7.10012E-05	0.024853272
350.079997	4820.614182	0.000108795	0.038086795
350.119997	6364.967747	0.000143648	0.050294197
350.159997	7298.973936	0.000164728	0.057681042
350.199997	7161.65977	0.000161629	0.056602365
350.239997	6017.145562	0.000135799	0.047562099
350.279997	4217.509748	9.51833E-05	0.033340813
350.319997	2473.707386	5.58281E-05	0.01955771
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350.399997	651.958566	1.47138E-05	0.005155714
350.439997	388.925647	8.77751E-06	0.003075991
350.479997	335.085099	7.5624E-06	0.002650471
350.519997	366.980603	8.28224E-06	0.002903091
350.559997	443.801716	1.0016E-05	0.003511204

350.599997	527.674611	1.19089E-05	0.004175254
350.639997	590.121932	1.33182E-05	0.004669904
350.679997	591.110505	1.33405E-05	0.004678261
350.719997	504.013261	1.13749E-05	0.003989397
350.759997	397.660862	8.97465E-06	0.003147949
350.799997	350.791676	7.91688E-06	0.002777241
350.839997	376.627776	8.49996E-06	0.002982127
350.879997	502.015811	1.13298E-05	0.003975399
350.919997	854.627257	1.92877E-05	0.006768456
350.959997	1678.743152	3.78869E-05	0.013296784
350.999997	3243.568325	7.32028E-05	0.025694189
351.039997	5752.423648	0.000129824	0.045573483
351.079997	9007.090329	0.000203277	0.071366658
351.119997	12324.76948	0.000278153	0.097665038
351.159997	14544.86518	0.000328257	0.115270849
351.199997	14853.28422	0.000335218	0.117728538
351.239997	13199.29852	0.00029789	0.104630806
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351.319997	6516.446268	0.000147067	0.051667619
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351.399997	1667.487169	3.76329E-05	0.013224188
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351.479997	416.401698	9.39761E-06	0.003303071
351.519997	398.174115	8.98624E-06	0.003158841
351.559997	499.640949	1.12762E-05	0.003964261
351.599997	586.421025	1.32347E-05	0.004653322
351.639997	605.191721	1.36583E-05	0.004802817
351.679997	543.740594	1.22715E-05	0.00431563
351.719997	429.839141	9.70087E-06	0.00341199
351.759997	339.723056	7.66708E-06	0.002696971
351.799997	283.217417	6.39182E-06	0.002248643
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351.879997	353.982934	7.9889E-06	0.002811135
351.919997	560.213081	1.26432E-05	0.004449405
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351.999997	1847.204117	4.16888E-05	0.014674466
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352.079997	5263.107899	0.000118781	0.041820419
352.119997	7036.315847	0.0001588	0.055916602
352.159997	8136.560981	0.000183631	0.064667439
352.199997	8159.636439	0.000184152	0.064858203
352.239997	7132.378905	0.000160968	0.056699318
352.279997	5501.372069	0.000124158	0.043738487
352.319997	3868.006213	8.72955E-05	0.030755955
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352.519997	821.025721	1.85294E-05	0.006531986
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352.759997	317.874424	7.17398E-06	0.002530694
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352.959997	1892.492627	4.27109E-05	0.015075247
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353.079997	9448.022511	0.000213229	0.075286792
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354.719997	387.364593	8.74228E-06	0.003101061
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354.959997	2935.071228	6.62405E-05	0.023512717
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355.119997	11402.50821	0.000257339	0.091386128
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355.239997	6738.046118	0.000152068	0.054020748
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356.399997	478.060937	1.07892E-05	0.00384526
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356.479997	298.038908	6.72632E-06	0.0023978
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356.559997	490.07499	1.10603E-05	0.003943664
356.599996	563.727049	1.27225E-05	0.004536856
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357.479996	306.077317	6.90774E-06	0.002469378
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358.199996	5581.26262	0.000125961	0.045119345
358.239996	4358.643348	9.83685E-05	0.035239534
358.279996	3025.604389	6.82837E-05	0.024464675
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358.439996	370.050515	8.35152E-06	0.00299352
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359.039996	6186.634316	0.000139624	0.0501305
359.079996	9056.591879	0.000204395	0.073394035
359.119996	11138.29011	0.000251376	0.090274038
359.159996	11565.90906	0.000261026	0.093750261
359.199996	10329.82077	0.00023313	0.083740175
359.239996	8004.867446	0.000180659	0.064899834
359.279996	5405.013069	0.000121984	0.043826273
359.319996	3232.554084	7.29542E-05	0.026213918
359.359996	1747.141175	3.94305E-05	0.01416976
359.399996	903.24738	2.0385E-05	0.007326382
359.439996	510.489963	1.1521E-05	0.004141125
359.479996	379.859847	8.57291E-06	0.003081789
359.519996	402.466269	9.0831E-06	0.003265557
359.559996	463.43009	1.0459E-05	0.003760628
359.599996	509.5304	1.14994E-05	0.004135181
359.639996	519.769074	1.17305E-05	0.004218744
359.679996	502.67353	1.13446E-05	0.004080441
359.719996	441.98308	9.97494E-06	0.003588186
359.759996	353.036711	7.96755E-06	0.002866405

359.799996	314.51409	7.09814E-06	0.002553913
359.839996	337.434153	7.61542E-06	0.002740332
359.879996	409.028615	9.23121E-06	0.003322126
359.919996	594.28598	1.34122E-05	0.004827321
359.959996	1055.446634	2.382E-05	0.008574233
359.999996	2011.852204	4.54047E-05	0.016345693
360.039996	3493.349302	7.884E-05	0.028385563
360.079996	5207.861163	0.000117534	0.042321704
360.119996	6623.034565	0.000149473	0.053828096
360.159996	7110.804332	0.000160481	0.057798818
360.199996	6432.208381	0.000145166	0.052288787
360.239996	4966.489427	0.000112087	0.04037813
360.279996	3391.560606	7.65428E-05	0.027576839
360.319996	2051.051067	4.62894E-05	0.016678984
360.359996	1110.658342	2.5066E-05	0.009032788
360.399996	581.161071	1.3116E-05	0.004727005
360.439996	356.71602	8.05058E-06	0.002901752
360.479996	332.11158	7.4953E-06	0.002701904
360.519996	401.180775	9.05409E-06	0.003264181
360.559996	496.971208	1.12159E-05	0.004044022
360.599996	613.508969	1.3846E-05	0.004992883
360.639996	621.688836	1.40307E-05	0.005060014
360.679996	520.466427	1.17462E-05	0.00423662
360.719996	411.206768	9.28036E-06	0.003347613
360.759996	318.104644	7.17918E-06	0.00258996
360.799996	285.884844	6.45202E-06	0.00232789
360.839996	344.890191	7.78369E-06	0.002808667
360.879996	552.396097	1.24668E-05	0.004499023
360.919996	1030.113698	2.32482E-05	0.008390752
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361.039996	7084.866468	0.000159896	0.057728695
361.079996	10292.53864	0.000232288	0.083874644
361.119996	12702.34445	0.000286674	0.103523794
361.159996	13364.41758	0.000301616	0.108931738
361.199996	12022.05027	0.000271321	0.098001119
361.239996	9232.365971	0.000208362	0.075268558
361.279996	6120.421816	0.000138129	0.049903387
361.319996	3547.218985	8.00558E-05	0.028925758
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361.479996	352.300515	7.95093E-06	0.002874103
361.519996	391.886489	8.84433E-06	0.003197403
361.559996	496.504508	1.12054E-05	0.00405143
361.599996	579.606806	1.30809E-05	0.00473006

361.639996	569.173445	1.28455E-05	0.004645429
361.679996	475.884881	1.07401E-05	0.003884464
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361.999996	2006.585351	4.52858E-05	0.016393473
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362.079996	4913.764439	0.000110897	0.04015352
362.119996	6142.132076	0.000138619	0.050196844
362.159996	6500.270867	0.000146702	0.053129617
362.199996	5875.966536	0.000132612	0.048032204
362.239996	4593.816864	0.000103676	0.037555611
362.279996	3122.262497	7.04651E-05	0.025528102
362.319996	1839.257353	4.15095E-05	0.015039713
362.359996	985.27245	2.22362E-05	0.008057519
362.399996	539.289037	1.2171E-05	0.004410771
362.439996	360.870171	8.14434E-06	0.002951834
362.479996	361.75927	8.1644E-06	0.002959433
362.519996	449.729005	1.01498E-05	0.00367949
362.559996	574.077778	1.29561E-05	0.004697377
362.599996	635.307341	1.4338E-05	0.005198959
362.639996	599.156091	1.35221E-05	0.004903661
362.679996	496.075856	1.11957E-05	0.004060471
362.719996	388.600296	8.77017E-06	0.003181115
362.759996	316.820278	7.15019E-06	0.002593804
362.799996	290.742004	6.56164E-06	0.002380564
362.839996	356.838283	8.05334E-06	0.002922075
362.879996	524.505483	1.18374E-05	0.00429554
362.919996	920.344822	2.07709E-05	0.007538175
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363.079996	9358.59235	0.00021121	0.076686269
363.119996	11827.47271	0.00026693	0.09692747
363.159996	12711.79747	0.000286888	0.104186086
363.199996	11621.37897	0.000262278	0.095259491
363.239996	9179.153235	0.000207161	0.075249053
363.279996	6307.926679	0.000142361	0.051716947
363.319996	3780.113441	8.53119E-05	0.030995517
363.359996	1975.771521	4.45904E-05	0.016202372
363.399996	961.574765	2.17014E-05	0.00788629
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363.519996	464.869408	1.04915E-05	0.003813854
363.559996	572.887876	1.29293E-05	0.004700569
363.599996	609.579512	1.37574E-05	0.005002176
363.639996	573.744358	1.29486E-05	0.004708633
363.679996	492.225161	1.11088E-05	0.004040062
363.719996	397.845746	8.97882E-06	0.003265778
363.759996	324.316164	7.31936E-06	0.002662492
363.799996	308.338962	6.95878E-06	0.002531604
363.839996	344.71039	7.77963E-06	0.002830542
363.879996	435.878923	9.83718E-06	0.003579553
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368.199996	5911.506369	0.000133414	0.049123205
368.239996	4951.683882	0.000111753	0.04115178
368.279996	3591.393419	8.10527E-05	0.029850105
368.319996	2272.043827	5.12769E-05	0.018886295
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368.399996	701.293321	1.58272E-05	0.005830745
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368.479996	347.170309	7.83515E-06	0.002887096
368.519996	371.381396	8.38156E-06	0.003088773
368.559996	455.821164	1.02872E-05	0.003791468
368.599996	521.863162	1.17777E-05	0.004341269
368.639996	531.819569	1.20024E-05	0.004424575
368.679996	443.857328	1.00172E-05	0.003693157
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369.119996	11773.78163	0.000265718	0.098081772
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369.199996	11875.38337	0.000268011	0.098949609
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369.679996	467.787284	1.05573E-05	0.003902825
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369.759996	301.332674	6.80066E-06	0.002514612
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370.039996	3540.815183	7.99113E-05	0.029570365
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370.119996	6316.574588	0.000142556	0.052762934
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370.199996	5986.339182	0.000135103	0.050015255
370.239996	4699.650171	0.000106065	0.039269342
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370.359996	1186.765718	2.67836E-05	0.009919592
370.399996	641.159631	1.44701E-05	0.005359718
370.439996	390.722552	8.81806E-06	0.003266564
370.479996	333.284122	7.52176E-06	0.002786661
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371.079996	10378.45497	0.000234227	0.086917055
371.119996	12269.73802	0.000276911	0.102767171
371.159996	12585.1951	0.00028403	0.105420694
371.199996	11220.66544	0.000253235	0.094000753
371.239996	8731.981052	0.000197069	0.073159765
371.279996	5986.917416	0.000135116	0.050166012
371.319996	3639.009713	8.21274E-05	0.030495539
371.359996	1971.265161	4.44887E-05	0.016521327
371.399996	980.274391	2.21234E-05	0.008216641
371.439996	499.137976	1.12648E-05	0.004184215
371.479996	354.000291	7.98929E-06	0.002967863
371.519996	383.131758	8.64675E-06	0.003212441
371.559996	505.26251	1.14031E-05	0.004236925
371.599996	589.461967	1.33033E-05	0.004943519
371.639996	608.235508	1.3727E-05	0.005101513
371.679996	556.509107	1.25596E-05	0.004668165
371.719996	447.4786	1.0099E-05	0.003753989
371.759996	337.620387	7.61962E-06	0.002832671
371.799996	286.977728	6.47669E-06	0.002408032
371.839996	313.133535	7.06699E-06	0.002627789
371.879996	395.766792	8.93191E-06	0.003321597
371.919996	599.243761	1.35241E-05	0.005029882
371.959996	1122.624382	2.53361E-05	0.009424004
371.999996	2163.780241	4.88335E-05	0.018166064
372.039996	3654.119116	8.24684E-05	0.030681535
372.079996	5163.046535	0.000116523	0.043355791
372.119996	6208.813855	0.000140124	0.052143047
372.159996	6375.422933	0.000143884	0.053548023
372.199996	5627.429777	0.000127003	0.04727061
372.239996	4335.500363	9.78462E-05	0.036422271
372.279996	2993.515403	6.75595E-05	0.02515104
372.319996	1882.382116	4.24827E-05	0.015817174
372.359996	1104.801441	2.49338E-05	0.009284361
372.399996	623.268997	1.40663E-05	0.005238295
372.439996	372.381972	8.40414E-06	0.003130039
372.479996	294.123314	6.63795E-06	0.002472505
372.519996	347.41218	7.84061E-06	0.002920784
372.559996	448.140405	1.01139E-05	0.003768036
372.599996	511.787605	1.15503E-05	0.004303654
372.639996	515.496121	1.1634E-05	0.004335305

372.679996	488.008537	1.10137E-05	0.004104576
372.719996	414.3735	9.35183E-06	0.003485615
372.759996	364.752967	8.23197E-06	0.003068548
372.799996	408.637193	9.22237E-06	0.0034381
372.839996	570.231593	1.28693E-05	0.004798202
372.879996	869.900607	1.96324E-05	0.007320546
372.919996	1345.42892	3.03645E-05	0.011323513
372.959996	2078.104398	4.68999E-05	0.017491795
372.999996	3335.084841	7.52682E-05	0.028075046
373.039996	5173.810179	0.000116766	0.043558272
373.079996	7236.701297	0.000163322	0.060932271
373.119996	8833.949121	0.00019937	0.074388906
373.159996	9443.913634	0.000213136	0.07953382
373.199996	8927.561103	0.000201483	0.075193313
373.239996	7366.475373	0.000166251	0.062051556
373.279996	5268.978775	0.000118914	0.044388035
373.319996	3290.577858	7.42638E-05	0.027724146
373.359996	1793.537378	4.04776E-05	0.015112732
373.399996	880.637245	1.98748E-05	0.007421234
373.439996	449.447326	1.01434E-05	0.003787951
373.479996	318.354471	7.18482E-06	0.002683385
373.519996	350.485647	7.90997E-06	0.002954533
373.559996	469.378346	1.05932E-05	0.003957202
373.599996	544.04724	1.22784E-05	0.004587206
373.639996	540.635644	1.22014E-05	0.004558929
373.679996	495.312192	1.11785E-05	0.004177184
373.719996	433.276446	9.77845E-06	0.003654401
373.759996	370.560287	8.36303E-06	0.003125766
373.799996	350.459842	7.90939E-06	0.00295653
373.839996	407.171321	9.18929E-06	0.003435324
373.879996	506.477099	1.14305E-05	0.004273629
373.919996	677.13193	1.52819E-05	0.005714217
373.959996	1026.246787	2.3161E-05	0.008661273
373.999996	1745.01673	3.93826E-05	0.014729091
374.039996	2914.829091	6.57836E-05	0.02460571
374.079996	4291.081334	9.68437E-05	0.036227302
374.119996	5456.462314	0.000123145	0.046070915
374.159996	6086.394135	0.000137361	0.051395155
374.199996	5801.450916	0.000130931	0.048994255
374.239996	4810.605042	0.000108569	0.040630733
374.279996	3545.283565	8.00121E-05	0.029946933
374.319996	2278.365812	5.14195E-05	0.019247363
374.359996	1291.379678	2.91446E-05	0.010910588
374.399996	688.739833	1.55439E-05	0.005819636
374.439996	419.371975	9.46464E-06	0.00354394
374.479996	373.30633	8.425E-06	0.003154995

374.519996	410.833424	9.27194E-06	0.003472526
374.559996	474.907127	1.0718E-05	0.004014531
374.599996	549.809742	1.24084E-05	0.004648202
374.639996	545.372504	1.23083E-05	0.004611181
374.679996	489.650596	1.10507E-05	0.004140488
374.719996	405.583018	9.15344E-06	0.003429978
374.759996	356.194287	8.03881E-06	0.003012624
374.799996	352.336097	7.95173E-06	0.00298031
374.839996	448.631474	1.0125E-05	0.00379525
374.879996	636.706955	1.43696E-05	0.005386872
374.919996	980.642842	2.21317E-05	0.008297633
374.959996	1814.049553	4.09406E-05	0.015351077
374.999996	3495.15547	7.88808E-05	0.029580296
375.039996	5868.40581	0.000132442	0.049670952
375.079996	8314.601861	0.000187649	0.07038338
375.119996	10123.18387	0.000228466	0.085702225
375.159996	10661.08413	0.000240606	0.090265678
375.199996	9518.320188	0.000214815	0.080598673
375.239996	7271.115061	0.000164099	0.061576485
375.279996	4824.699606	0.000108887	0.040863019
375.319996	2748.092186	6.20206E-05	0.023277576
375.359996	1374.166794	3.1013E-05	0.011641051
375.399996	671.93522	1.51646E-05	0.005692807
375.439996	376.262961	8.49173E-06	0.003188135
375.479996	285.10606	6.43445E-06	0.002416006
375.519996	295.501245	6.66905E-06	0.002504362
375.559996	389.575503	8.79218E-06	0.00330199
375.599996	460.995123	1.0404E-05	0.003907749
375.639996	488.426282	1.10231E-05	0.004140718
375.679996	471.521356	1.06416E-05	0.003997829
375.719996	397.921248	8.98053E-06	0.003374164
375.759996	329.032548	7.42581E-06	0.002790321
375.799996	312.08366	7.04329E-06	0.00264687
375.839996	339.145137	7.65403E-06	0.002876692
375.879996	426.563875	9.62695E-06	0.003618579
375.919996	584.654631	1.31948E-05	0.004960204
375.959996	926.582471	2.09117E-05	0.007861954
375.999996	1578.943824	3.56346E-05	0.013398595
376.039996	2756.044811	6.22001E-05	0.023389723
376.079996	4419.376336	9.97392E-05	0.037509906
376.119996	6106.918383	0.000137825	0.051838604
376.159996	7605.605813	0.000171648	0.064567084
376.199996	8602.095376	0.000194137	0.073034456
376.239996	8846.575657	0.000199655	0.075118155
376.279996	8156.177023	0.000184074	0.069263196
376.319996	6511.340409	0.000146952	0.055300932

376.359996	4504.523249	0.000101661	0.038261064
376.399996	2701.253123	6.09635E-05	0.022946669
376.439996	1449.580181	3.2715E-05	0.012315237
376.479996	800.030931	1.80556E-05	0.006797566
376.519996	560.416289	1.26478E-05	0.004762155
376.559996	518.484298	1.17015E-05	0.004406305
376.599996	581.340528	1.312E-05	0.004941009
376.639996	610.191143	1.37712E-05	0.005186771
376.679996	516.335639	1.1653E-05	0.004389443
376.719996	404.3783	9.12625E-06	0.003438043
376.759996	309.104135	6.97605E-06	0.002628296
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376.839996	300.920024	6.79135E-06	0.002559251
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376.959996	1548.138847	3.49393E-05	0.013170732
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377.079996	8988.323377	0.000202854	0.076492162
377.119996	12107.33044	0.000273246	0.103046373
377.159996	13817.42008	0.00031184	0.117613545
377.199996	13462.14259	0.000303822	0.114601584
377.239996	11378.13431	0.000256789	0.096870947
377.279996	8348.275364	0.000188409	0.071082927
377.319996	5321.424701	0.000120097	0.045315054
377.359996	3010.497178	6.79427E-05	0.025638868
377.399996	1566.06188	3.53438E-05	0.013338763
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377.479996	491.719683	1.10974E-05	0.004189057
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377.559996	502.710251	1.13455E-05	0.004283596
377.599996	564.158383	1.27323E-05	0.004807705
377.639996	540.79625	1.2205E-05	0.004609103
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377.719996	405.406786	9.14947E-06	0.003455936
377.759996	317.907201	7.17472E-06	0.002710323
377.799996	282.727802	6.38077E-06	0.002410656
377.839996	303.682089	6.85368E-06	0.002589595
377.879996	392.780785	8.86452E-06	0.003349723
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378.039996	2659.006945	6.00101E-05	0.022686212
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378.239996	5159.962587	0.000116453	0.044047246
378.279996	3732.669145	8.42411E-05	0.031866739
378.319996	2320.739586	5.23759E-05	0.019814835
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378.399996	655.945702	1.48038E-05	0.005601751
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378.479996	287.655391	6.49198E-06	0.002457085
378.519996	311.371434	7.02722E-06	0.002659943
378.559996	401.97547	9.07203E-06	0.003434306
378.599996	480.522109	1.08447E-05	0.004105809
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378.679996	479.735124	1.0827E-05	0.004099951
378.719996	423.55965	9.55915E-06	0.003620242
378.759996	367.69407	8.29834E-06	0.00314308
378.799996	325.795461	7.35275E-06	0.002785222
378.839996	331.751185	7.48716E-06	0.002836436
378.879996	424.795242	9.58704E-06	0.003632337
378.919996	713.259899	1.60973E-05	0.006099582
378.959996	1367.858129	3.08707E-05	0.011698742
378.999996	2603.554338	5.87586E-05	0.022269507
379.039996	4603.922888	0.000103904	0.03938382
379.079996	7088.402322	0.000159975	0.060643462
379.119996	9188.334239	0.000207368	0.078617319
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379.239996	7496.324278	0.000169182	0.064160428
379.279996	5183.427495	0.000116983	0.044369213
379.319996	3088.400626	6.97009E-05	0.026438945
379.359996	1625.713943	3.66901E-05	0.013918756
379.399996	857.443982	1.93513E-05	0.007341889
379.439996	521.929566	1.17792E-05	0.004469508
379.479996	388.917345	8.77732E-06	0.003330818
379.519996	390.982753	8.82394E-06	0.00334886
379.559996	510.516292	1.15216E-05	0.004373154
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379.639996	722.376936	1.6303E-05	0.006189287
379.679996	811.394794	1.83121E-05	0.006952719
379.719996	823.356555	1.8582E-05	0.007055961
379.759996	701.650624	1.58353E-05	0.006013605
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379.839996	427.373752	9.64523E-06	0.003663644
379.879996	422.295032	9.53061E-06	0.003620488
379.919996	544.012775	1.22776E-05	0.00466451
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380.119996	4797.796445	0.00010828	0.041159235
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380.279996	2910.255979	6.56804E-05	0.024976951
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380.359996	1019.204103	2.3002E-05	0.008749047
380.399996	554.481506	1.25139E-05	0.004760278
380.439996	358.165174	8.08329E-06	0.003075206
380.479996	311.567785	7.03165E-06	0.002675403
380.519996	375.930205	8.48422E-06	0.003228416
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380.639996	586.820859	1.32437E-05	0.005041093
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380.799996	373.767845	8.43542E-06	0.003212208
380.839996	451.79608	1.01964E-05	0.0038832
380.879996	702.35203	1.58511E-05	0.00603737
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381.119996	12620.55489	0.000284828	0.108553778
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381.199996	12532.24896	0.000282835	0.107816855
381.239996	10039.22768	0.000226571	0.086378074
381.279996	7055.245035	0.000159227	0.06071009
381.319996	4323.216113	9.7569E-05	0.037204998
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381.399996	1210.011154	2.73083E-05	0.010415373
381.439996	677.39049	1.52878E-05	0.005831363
381.479996	516.217664	1.16503E-05	0.004444362
381.519996	502.801291	1.13475E-05	0.004329308
381.559996	546.312236	1.23295E-05	0.004704446
381.599996	588.367742	1.32786E-05	0.005067129
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381.679996	514.808773	1.16185E-05	0.004434555
381.719996	434.751198	9.81173E-06	0.003745333
381.759996	364.831592	8.23374E-06	0.003143313
381.799996	300.610786	6.78437E-06	0.002590271
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382.119996	5568.436117	0.000125672	0.048021726
382.159996	5982.33594	0.000135013	0.051596564
382.199996	5614.434531	0.00012671	0.048428549
382.239996	4538.44189	0.000102426	0.039151433
382.279996	3129.203446	7.06218E-05	0.026997287
382.319996	1900.579007	4.28934E-05	0.016399013
382.359996	1083.032517	2.44425E-05	0.009345848
382.399996	598.029507	1.34967E-05	0.005161135
382.439996	399.836905	9.02376E-06	0.003451048
382.479996	363.704233	8.2083E-06	0.00313951
382.519996	396.753799	8.95418E-06	0.003425153
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382.599996	469.648897	1.05993E-05	0.0040553
382.639996	454.250951	1.02518E-05	0.003922753
382.679996	431.883379	9.74701E-06	0.003729984
382.719996	369.173243	8.33173E-06	0.003188718
382.759996	327.225263	7.38502E-06	0.00282669
382.799996	336.534587	7.59512E-06	0.002907411
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382.879996	509.349379	1.14953E-05	0.004401323
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382.959996	1439.966474	3.2498E-05	0.012445448
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383.039996	4290.081239	9.68212E-05	0.037086376
383.079996	6438.901401	0.000145317	0.05566805
383.119996	8365.698149	0.000188802	0.072333881
383.159996	9312.623153	0.000210173	0.08052986
383.199996	8943.824444	0.00020185	0.077348789
383.239996	7449.524567	0.000168125	0.064432375
383.279996	5427.34197	0.000122488	0.046947027
383.319996	3405.852682	7.68654E-05	0.029464026
383.359996	1869.447227	4.21908E-05	0.016174273
383.399996	947.076003	2.13742E-05	0.008194863
383.439996	483.997404	1.09231E-05	0.004188372
383.479996	341.123167	7.69867E-06	0.002952288
383.519996	343.238443	7.74641E-06	0.002970905
383.559996	394.340262	8.89971E-06	0.003413573
383.599996	470.792937	1.06251E-05	0.004075804
383.639996	521.360577	1.17664E-05	0.004514055
383.679996	493.813452	1.11447E-05	0.004275991

383.719996	409.117294	9.23321E-06	0.003542966
383.759996	323.647534	7.30427E-06	0.002803088
383.799996	281.30457	6.34865E-06	0.002436613
383.839996	286.37927	6.46318E-06	0.002480827
383.879996	371.09523	8.3751E-06	0.003215034
383.919996	559.663875	1.26308E-05	0.00484923
383.959996	1000.957944	2.25902E-05	0.008673743
383.999996	1855.429533	4.18745E-05	0.016079793
384.039996	3078.65709	6.9481E-05	0.026683484
384.079996	4571.831032	0.00010318	0.03962932
384.119996	5833.442776	0.000131653	0.050570426
384.159996	6243.904782	0.000140916	0.05413438
384.199996	5730.166267	0.000129322	0.049685462
384.239996	4606.980542	0.000103973	0.039950637
384.279996	3294.937981	7.43622E-05	0.028575891
384.319996	2100.033261	4.73948E-05	0.018214779
384.359996	1243.728869	2.80692E-05	0.010788688
384.399996	736.648548	1.66251E-05	0.006390701
384.439996	456.109862	1.02938E-05	0.003957335
384.479996	348.460472	7.86427E-06	0.003023654
384.519996	371.83352	8.39176E-06	0.003226801
384.559996	471.884232	1.06498E-05	0.004095475
384.599996	550.983608	1.24349E-05	0.004782475
384.639996	582.248518	1.31405E-05	0.005054377
384.679996	539.628044	1.21787E-05	0.004684884
384.719996	446.225996	1.00707E-05	0.003874399
384.759996	372.804604	8.41368E-06	0.003237248
384.799996	343.18786	7.74527E-06	0.002980381
384.839996	385.162109	8.69257E-06	0.003345249
384.879996	528.345107	1.1924E-05	0.004589314
384.919996	879.452467	1.9848E-05	0.007639899
384.959996	1647.503116	3.71819E-05	0.014313525
384.999996	3016.057344	6.80682E-05	0.026206262
385.039996	4943.374343	0.000111565	0.042957015
385.079996	6997.749108	0.000157929	0.060815472
385.119996	8540.687695	0.000192751	0.074232428
385.159996	8980.49268	0.000202677	0.078063154
385.199996	8169.074497	0.000184365	0.071017256
385.239996	6544.923765	0.00014771	0.056903728
385.279996	4612.752785	0.000104103	0.04010896
385.319996	2873.715288	6.48558E-05	0.024990218
385.359996	1585.810914	3.57895E-05	0.013791858
385.399996	785.138369	1.77195E-05	0.006829087
385.439996	400.752926	9.04444E-06	0.003486087
385.479996	295.628244	6.67192E-06	0.002571891
385.519996	340.803716	7.69147E-06	0.002965214

385.559996	443.869844	1.00175E-05	0.003862357
385.599996	548.768059	1.23849E-05	0.004775629
385.639996	583.914272	1.31781E-05	0.005082015
385.679996	529.300564	1.19456E-05	0.00460717
385.719996	425.968996	9.61353E-06	0.00370813
385.759996	334.164057	7.54162E-06	0.002909254
385.799996	284.582438	6.42263E-06	0.00247785
385.839996	292.419503	6.5995E-06	0.002546351
385.879996	345.371803	7.79456E-06	0.003007765
385.919996	497.565585	1.12294E-05	0.004333635
385.959996	854.184998	1.92778E-05	0.007440446
385.999996	1572.118201	3.54805E-05	0.01369548
386.039996	2610.133802	5.89071E-05	0.022740491
386.079996	3815.365998	8.61075E-05	0.033244382
386.119996	4808.496117	0.000108521	0.041902151
386.159996	5112.845339	0.00011539	0.044558924
386.199996	4636.670677	0.000104643	0.040413203
386.239996	3674.755888	8.29341E-05	0.032032475
386.279996	2586.04427	5.83634E-05	0.022544621
386.319996	1625.920015	3.66948E-05	0.014175916
386.359996	935.426862	2.11113E-05	0.008156555
386.399996	527.202472	1.18982E-05	0.004597474
386.439996	332.578735	7.50584E-06	0.002900556
386.479996	277.050575	6.25265E-06	0.002416522
386.519996	317.664439	7.16924E-06	0.002771056
386.559996	412.026872	9.29887E-06	0.003594572
386.599996	519.213401	1.17179E-05	0.004530149
386.639996	573.015786	1.29322E-05	0.005000093
386.679996	548.626559	1.23817E-05	0.00478777
386.719996	468.554427	1.05746E-05	0.004089417
386.759996	369.973404	8.34978E-06	0.003229363
386.799996	309.961315	6.9954E-06	0.002705819
386.839996	354.404022	7.99841E-06	0.003094103
386.879996	500.688942	1.12999E-05	0.004371687
386.919996	827.972778	1.86862E-05	0.007230061
386.959996	1546.989295	3.49134E-05	0.013510087
386.999996	2899.955837	6.5448E-05	0.025328362
387.039996	4965.024603	0.000112054	0.04336926
387.079996	7280.941566	0.000164321	0.06360526
387.119996	9160.037429	0.000206729	0.08002904
387.159996	9851.419979	0.000222333	0.086078376
387.199996	9107.357312	0.00020554	0.07958523
387.239996	7230.662147	0.000163186	0.063192136
387.279996	4925.160209	0.000111154	0.043047723
387.319996	2930.631159	6.61403E-05	0.025617446
387.359996	1525.065491	3.44186E-05	0.01333239

387.399996	715.260054	1.61424E-05	0.006253575
387.439996	381.312598	8.60569E-06	0.00333419
387.479996	302.955655	6.83729E-06	0.002649312
387.519996	349.4246	7.88603E-06	0.003055993
387.559996	460.189971	1.03858E-05	0.004025139
387.599996	545.049702	1.2301E-05	0.004767872
387.639996	598.453112	1.35063E-05	0.005235564
387.679996	583.110802	1.316E-05	0.005101868
387.719996	531.675337	1.19992E-05	0.004652319
387.759996	504.564353	1.13873E-05	0.004415545
387.799996	521.551991	1.17707E-05	0.004564678
387.839996	625.404732	1.41145E-05	0.005474173
387.879996	761.898531	1.7195E-05	0.006669592
387.919996	903.266679	2.03855E-05	0.007907932
387.959996	1154.706498	2.60601E-05	0.010110283
387.999996	1728.685396	3.9014E-05	0.01513744
388.039996	2715.761872	6.1291E-05	0.023783345
388.079996	3935.823639	8.88261E-05	0.034471616
388.119996	4996.432996	0.000112763	0.043765394
388.159996	5506.756052	0.00012428	0.048240452
388.199996	5241.450381	0.000118292	0.045921045
388.239996	4287.086811	9.67536E-05	0.037563609
388.279996	3064.003529	6.91503E-05	0.026849675
388.319996	1965.892984	4.43675E-05	0.017228774
388.359996	1164.049462	2.6271E-05	0.010202596
388.399996	639.719865	1.44376E-05	0.005607558
388.439996	392.977138	8.86895E-06	0.003445054
388.479996	328.449506	7.41265E-06	0.002879665
388.519996	387.115538	8.73666E-06	0.003394367
388.559996	461.509388	1.04156E-05	0.004047095
388.599996	507.296322	1.1449E-05	0.00444907
388.639996	534.395752	1.20606E-05	0.004687219
388.679996	503.287724	1.13585E-05	0.004414823
388.719996	425.023073	9.59218E-06	0.003728672
388.759996	346.779194	7.82632E-06	0.003042561
388.799996	320.553333	7.23444E-06	0.002812751
388.839996	374.084462	8.44257E-06	0.003282807
388.879996	523.510605	1.18149E-05	0.00459458
388.919996	817.758449	1.84557E-05	0.007177779
388.959996	1469.581268	3.31664E-05	0.012900404
388.999996	2653.163564	5.98782E-05	0.023292622
389.039996	4470.919099	0.000100902	0.039255076
389.079996	6681.482856	0.000150792	0.058670058
389.119996	8455.464427	0.000190828	0.074255012
389.159996	9286.919423	0.000209593	0.081565147
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389.239996	7357.693531	0.000166053	0.064634428
389.279996	5323.05656	0.000120134	0.046765752
389.319996	3307.748414	7.46513E-05	0.029063234
389.359996	1798.753648	4.05954E-05	0.015806211
389.399996	900.142132	2.0315E-05	0.007910643
389.439996	463.793916	1.04672E-05	0.00407634
389.479996	340.754475	7.69035E-06	0.002995239
389.519996	344.774388	7.78108E-06	0.003030885
389.559996	441.729608	9.96922E-06	0.00388361
389.599996	529.139646	1.19419E-05	0.004652582
389.639996	531.516155	1.19956E-05	0.004673957
389.679996	500.320978	1.12915E-05	0.00440009
389.719996	425.498144	9.6029E-06	0.003742442
389.759996	338.490256	7.63925E-06	0.002977475
389.799996	309.737097	6.99033E-06	0.002724832
389.839996	347.398619	7.8403E-06	0.003056464
389.879996	409.708326	9.24655E-06	0.003605043
389.919996	526.419415	1.18806E-05	0.004632465
389.959996	804.335554	1.81527E-05	0.00707884
389.999996	1360.588681	3.07066E-05	0.011975571
390.039996	2257.527221	5.09492E-05	0.019872243
390.079996	3417.170408	7.71208E-05	0.030083272
390.119996	4498.752294	0.000101531	0.039609107
390.159996	5045.112079	0.000113861	0.044424067
390.199996	4899.593461	0.000110577	0.043147145
390.239996	4055.731267	9.15322E-05	0.035719528
390.279996	2903.848165	6.55358E-05	0.025577315
390.319996	1866.831649	4.21318E-05	0.01644488
390.359996	1075.695268	2.42769E-05	0.009476748
390.399996	583.069711	1.31591E-05	0.005137301
390.439996	349.951989	7.89793E-06	0.003083667
390.479996	298.740327	6.74215E-06	0.002632676
390.519996	317.325927	7.1616E-06	0.00279675
390.559996	379.81992	8.57201E-06	0.003347883
390.599996	497.068589	1.12181E-05	0.004381808
390.639996	561.374217	1.26694E-05	0.004949188
390.679996	527.966384	1.19155E-05	0.004655134
390.719996	469.677739	1.06E-05	0.004141621
390.759996	433.661775	9.78714E-06	0.003824424
390.799996	416.028915	9.38919E-06	0.003669297
390.839996	467.914791	1.05602E-05	0.004127343
390.879996	646.879904	1.45992E-05	0.005706527
390.919996	975.343199	2.20121E-05	0.008604985
390.959996	1589.08822	3.58635E-05	0.014021197
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391.119996	10158.0113	0.000229252	0.089665106
391.159996	13037.91682	0.000294248	0.115097899
391.199996	15054.91057	0.000339768	0.132917382
391.239996	15403.73893	0.000347641	0.136011037
391.279996	13721.55308	0.000309676	0.121170157
391.319996	10478.1231	0.000236477	0.092538039
391.359996	6790.130657	0.000153244	0.059973489
391.399996	3726.166734	8.40944E-05	0.032914545
391.439996	1784.097225	4.02646E-05	0.015761171
391.479996	850.962784	1.9205E-05	0.007518391
391.519996	515.736899	1.16395E-05	0.004557083
391.559996	469.84074	1.06037E-05	0.004151966
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391.639996	566.668801	1.27889E-05	0.005008655
391.679996	516.426626	1.1655E-05	0.004565042
391.719996	398.938333	9.00348E-06	0.003526844
391.759996	325.693857	7.35046E-06	0.002879615
391.799996	326.64261	7.37187E-06	0.002888298
391.839996	341.926199	7.7168E-06	0.00302375
391.879996	401.273651	9.05619E-06	0.003548939
391.919996	547.144903	1.23483E-05	0.004839545
391.959996	863.297469	1.94834E-05	0.007636722
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392.039996	2356.718561	5.31879E-05	0.020851767
392.079996	3553.972274	8.02082E-05	0.031448032
392.119996	4868.087195	0.000109866	0.043080635
392.159996	5950.579407	0.000134296	0.052665632
392.199996	6423.180773	0.000144962	0.056854191
392.239996	6249.124817	0.000141034	0.055319192
392.279996	5337.610416	0.000120462	0.047255003
392.319996	3883.99774	8.76564E-05	0.034389366
392.359996	2438.540785	5.50345E-05	0.021593324
392.399996	1318.287564	2.97519E-05	0.011674651
392.439996	670.839539	1.51399E-05	0.005941508
392.479996	429.391573	9.69077E-06	0.003803433
392.519996	407.654155	9.20019E-06	0.003611257
392.559996	462.349166	1.04346E-05	0.004096197
392.599996	549.446771	1.24002E-05	0.004868337
392.639996	601.062675	1.35651E-05	0.005326219
392.679996	540.222542	1.21921E-05	0.004787582
392.719996	452.243744	1.02065E-05	0.004008301
392.759996	400.203818	9.03204E-06	0.003547425
392.799996	372.979769	8.41763E-06	0.003306447
392.839996	388.706114	8.77256E-06	0.003446211
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392.959996	1259.938084	2.8435E-05	0.011173836
392.999996	2307.487375	5.20768E-05	0.020466173
393.039996	3834.94727	8.65494E-05	0.034017383
393.079996	5703.264937	0.000128715	0.050595192
393.119996	7442.522092	0.000167967	0.066031327
393.159996	8636.288418	0.000194909	0.076630422
393.199996	8828.269586	0.000199242	0.078341854
393.239996	7918.823516	0.000178717	0.0702786
393.279996	6287.219756	0.000141894	0.05580399
393.319996	4351.098903	9.81982E-05	0.038623332
393.359996	2621.238796	5.91577E-05	0.023270276
393.399996	1390.901339	3.13907E-05	0.012349104
393.439996	704.144827	1.58916E-05	0.006252378
393.479996	413.101094	9.32312E-06	0.00366846
393.519996	387.253823	8.73978E-06	0.003439278
393.559996	478.693897	1.08035E-05	0.004251808
393.599996	566.064686	1.27753E-05	0.005028355
393.639996	622.618063	1.40516E-05	0.005531281
393.679996	559.629672	1.26301E-05	0.004972203
393.719996	443.113887	1.00005E-05	0.003937382
393.759996	350.680277	7.91437E-06	0.00311636
393.799996	302.656112	6.83053E-06	0.002689861
393.839996	299.963371	6.76976E-06	0.0026662
393.879996	349.663858	7.89143E-06	0.003108275
393.919996	462.759306	1.04438E-05	0.004114035
393.959996	735.509996	1.65994E-05	0.006539514
393.999996	1276.881922	2.88174E-05	0.011354074
394.039996	2107.336922	4.75597E-05	0.018740408
394.079996	3184.328438	7.18659E-05	0.028320897
394.119996	4187.496912	9.4506E-05	0.037246694
394.159996	4772.005301	0.000107698	0.042450051
394.199996	4739.408845	0.000106962	0.042164363
394.239996	4168.592714	9.40793E-05	0.037089835
394.279996	3220.693075	7.26866E-05	0.028658855
394.319996	2157.458634	4.86908E-05	0.01919977
394.359996	1281.128619	2.89133E-05	0.011402244
394.399996	710.650649	1.60384E-05	0.006325543
394.439996	422.955506	9.54552E-06	0.003765134
394.479996	328.329282	7.40993E-06	0.002923071
394.519996	351.527482	7.93349E-06	0.003129919
394.559996	434.888441	9.81483E-06	0.003872538
394.599996	540.414215	1.21964E-05	0.004812698
394.639996	568.357833	1.2827E-05	0.005062065
394.679996	496.318328	1.12012E-05	0.004420895
394.719996	389.169974	8.78302E-06	0.003466835

394.759996	317.392293	7.1631E-06	0.002827706
394.799996	305.186284	6.88763E-06	0.002719236
394.839996	328.194763	7.4069E-06	0.00292454
394.879996	426.807966	9.63246E-06	0.003803666
394.919996	707.918752	1.59767E-05	0.006309534
394.959996	1316.538598	2.97124E-05	0.011735226
394.999996	2567.423163	5.79432E-05	0.02288755
395.039996	4555.308498	0.000102807	0.040612864
395.079996	6658.598029	0.000150275	0.059370758
395.119996	8150.74803	0.000183951	0.07268273
395.159996	8596.169715	0.000194004	0.076662453
395.199996	7883.537715	0.00017792	0.070314167
395.239996	6401.091607	0.000144464	0.057097841
395.279996	4680.930509	0.000105642	0.041758202
395.319996	2985.290273	6.73738E-05	0.026634227
395.359996	1705.917119	3.85002E-05	0.015221428
395.399996	906.317119	2.04543E-05	0.008087636
395.439996	499.106834	1.12641E-05	0.004454294
395.479996	359.386495	8.11085E-06	0.00320768
395.519996	359.286271	8.10859E-06	0.00320711
395.559996	421.0697	9.50296E-06	0.003758989
395.599996	502.040465	1.13304E-05	0.004482288
395.639996	541.089193	1.22116E-05	0.004831409
395.679996	513.274904	1.15839E-05	0.004583517
395.719996	442.825931	9.99396E-06	0.003954812
395.759996	361.553887	8.15977E-06	0.00322931
395.799996	300.263792	6.77654E-06	0.002682153
395.839996	290.883908	6.56484E-06	0.002598628
395.879996	345.160809	7.7898E-06	0.003083825
395.919996	477.884275	1.07852E-05	0.004270069
395.959996	803.409304	1.81318E-05	0.007179479
395.999996	1446.330484	3.26417E-05	0.012926099
396.039996	2373.960135	5.3577E-05	0.021218624
396.079996	3432.086698	7.74574E-05	0.030679333
396.119996	4308.515488	9.72372E-05	0.038517597
396.159996	4644.862141	0.000104828	0.041528687
396.199996	4387.426773	9.90181E-05	0.039230975
396.239996	3664.313581	8.26985E-05	0.032768435
396.279996	2688.112089	6.06669E-05	0.024041097
396.319996	1779.922886	4.01704E-05	0.015920325
396.359996	1085.587712	2.45002E-05	0.0097109
396.399996	636.873711	1.43734E-05	0.005697597
396.439996	419.163136	9.45993E-06	0.003750294
396.479996	329.594598	7.43849E-06	0.002949213
396.519996	344.847642	7.78273E-06	0.003086008
396.559996	430.0459	9.70554E-06	0.003848828

396.599996	498.191281	1.12435E-05	0.004459165
396.639996	509.052048	1.14886E-05	0.004556837
396.679996	468.208209	1.05668E-05	0.004191641
396.719996	387.679455	8.74939E-06	0.003471056
396.759996	329.887885	7.44511E-06	0.002953922
396.799996	290.240214	6.55032E-06	0.002599166
396.839996	310.763625	7.0135E-06	0.002783238
396.879996	414.413304	9.35273E-06	0.003711912
396.919996	629.187956	1.41999E-05	0.005636223
396.959996	1147.930479	2.59072E-05	0.010284119
396.999996	2135.015547	4.81843E-05	0.019129178
397.039996	3531.056157	7.9691E-05	0.031640522
397.079996	5078.14297	0.000114607	0.045507994
397.119996	6354.067593	0.000143402	0.056947982
397.159996	6966.834272	0.000157232	0.062446159
397.199996	6603.843032	0.00014904	0.059198504
397.239996	5359.698042	0.000120961	0.048050515
397.279996	3853.001847	8.69569E-05	0.034546231
397.319996	2480.883125	5.59901E-05	0.022245977
397.359996	1447.932025	3.26778E-05	0.012984854
397.399996	804.641784	1.81596E-05	0.007216643
397.439996	452.807463	1.02192E-05	0.004061532
397.479996	334.652023	7.55263E-06	0.003002019
397.519996	355.957957	8.03348E-06	0.003193467
397.559996	437.34849	9.87035E-06	0.003924055
397.599996	513.911033	1.15983E-05	0.004611467
397.639996	571.957032	1.29083E-05	0.005132846
397.679996	522.871887	1.18005E-05	0.004692819
397.719996	392.483892	8.85781E-06	0.00352293
397.759996	295.419632	6.66721E-06	0.002651949
397.799996	263.595392	5.94898E-06	0.002366505
397.839996	264.163604	5.9618E-06	0.002371844
397.879996	316.700694	7.14749E-06	0.002843845
397.919996	458.979795	1.03585E-05	0.004121868
397.959996	761.398263	1.71837E-05	0.006838424
397.999996	1342.864442	3.03066E-05	0.012062019
398.039996	2310.177103	5.21375E-05	0.020752802
398.079996	3649.30103	8.23596E-05	0.032785726
398.119996	4841.372548	0.000109263	0.043499799
398.159996	5556.290018	0.000125398	0.049928358
398.199996	5670.883256	0.000127984	0.050963203
398.239996	5135.101369	0.000115892	0.046152864
398.279996	4154.485484	9.3761E-05	0.037343111
398.319996	3004.049445	6.77972E-05	0.027004985
398.359996	1895.364018	4.27757E-05	0.017040138
398.399996	1047.439753	2.36393E-05	0.00941788

398.439996	547.051298	1.23462E-05	0.004919214
398.479996	344.785404	7.78133E-06	0.003100703
398.519996	348.729225	7.87033E-06	0.003136485
398.559996	444.472617	1.00311E-05	0.003998006
398.599996	497.179664	1.12207E-05	0.004472552
398.639996	510.041478	1.15109E-05	0.004588715
398.679996	482.271041	1.08842E-05	0.004339307
398.719996	399.156087	9.0084E-06	0.003591828
398.759996	345.274118	7.79236E-06	0.00310728
398.799996	351.889791	7.94166E-06	0.003167135
398.839996	389.682755	8.7946E-06	0.003507637
398.879996	490.507777	1.10701E-05	0.004415632
398.919996	711.463983	1.60568E-05	0.006405359
398.959996	1264.261357	2.85326E-05	0.011383373
398.999996	2427.037284	5.47749E-05	0.021855165
399.039996	4066.006323	9.17641E-05	0.036617546
399.079996	5712.911478	0.000128932	0.051454363
399.119996	6999.044324	0.000157959	0.063044468
399.159996	7641.652637	0.000172461	0.068839714
399.199996	7268.156066	0.000164032	0.065481637
399.239996	6112.816646	0.000137958	0.055078254
399.279996	4591.498542	0.000103624	0.041374881
399.319996	3030.89505	6.84031E-05	0.027314717
399.359996	1786.241421	4.0313E-05	0.016099392
399.399996	953.508956	2.15194E-05	0.008594836
399.439996	503.943255	1.13733E-05	0.00454295
399.479996	322.311583	7.27412E-06	0.002905867
399.519996	325.232807	7.34005E-06	0.002932497
399.559996	401.937349	9.07117E-06	0.003624475
399.599996	474.730649	1.0714E-05	0.004281318
399.639996	526.204608	1.18757E-05	0.004746007
399.679996	496.951248	1.12155E-05	0.00448261
399.719996	434.867325	9.81435E-06	0.003922992
399.759996	358.267773	8.0856E-06	0.003232301
399.799996	283.46326	6.39737E-06	0.002557669
399.839996	274.652967	6.19853E-06	0.002478422
399.879996	329.262443	7.43099E-06	0.002971506
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400.319996	1630.454075	3.67971E-05	0.014730606
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400.479996	270.202185	6.09809E-06	0.002442162
400.519996	309.172451	6.97759E-06	0.002794665
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403.119995	8103.187959	0.000182878	0.073721644
403.159995	9096.014877	0.000205284	0.082762452
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403.239995	7366.067487	0.000166242	0.067035376
403.279995	5441.119461	0.000122798	0.049522173
403.319995	3434.971038	7.75225E-05	0.031266379
403.359995	1907.171337	4.30422E-05	0.017361502
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403.439995	508.196922	1.14693E-05	0.004627173
403.479995	339.414146	7.6601E-06	0.003090699
403.519995	333.264561	7.52132E-06	0.003035002
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403.599995	455.987443	1.0291E-05	0.004153448
403.639995	487.070849	1.09925E-05	0.004437017
403.679995	469.5219	1.05965E-05	0.004277577
403.719995	446.072179	1.00672E-05	0.004064341
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404.279995	2860.579257	6.45593E-05	0.026100029
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404.519995	314.847036	7.10566E-06	0.002874381
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405.159995	7387.742041	0.000166731	0.06755275
405.199995	7007.02599	0.000158139	0.064077848
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406.679995	561.809384	1.26793E-05	0.005156399
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406.959995	1292.938932	2.91798E-05	0.011875024
406.999995	2385.62141	5.38402E-05	0.021912942
407.039995	4236.143287	9.56039E-05	0.038914592
407.079995	6729.999398	0.000151887	0.061830042
407.119995	9615.977117	0.000217019	0.08835286
407.159995	12151.66546	0.000274246	0.111662067
407.199995	13459.8311	0.00030377	0.123694996
407.239995	12837.66962	0.000289728	0.11798896
407.279995	10370.35411	0.000234044	0.095321621
407.319995	7110.431118	0.000160473	0.065363669
407.359995	4215.208193	9.51314E-05	0.038752718
407.399995	2179.637998	4.91914E-05	0.020040574
407.439995	1037.055615	2.34049E-05	0.009536093
407.479995	555.815099	1.2544E-05	0.005111418
407.519995	461.075884	1.04058E-05	0.004240588
407.559995	506.235182	1.1425E-05	0.004656382
407.599995	551.016814	1.24357E-05	0.005068784

407.639995	552.332752	1.24654E-05	0.005081388
407.679995	513.931586	1.15987E-05	0.004728566
407.719995	465.546265	1.05067E-05	0.004283804
407.759995	378.014974	8.53127E-06	0.003478711
407.799995	332.933249	7.51384E-06	0.003064144
407.839995	350.800936	7.91709E-06	0.003228905
407.879995	385.645686	8.70349E-06	0.003549978
407.919995	469.443281	1.05947E-05	0.004321782
407.959995	708.518786	1.59903E-05	0.006523395
407.999995	1241.687611	2.80232E-05	0.011433449
408.039995	2174.877109	4.90839E-05	0.020028213
408.079995	3387.268365	7.64459E-05	0.031196054
408.119995	4729.310573	0.000106734	0.04356026
408.159995	5761.543266	0.00013003	0.053073047
408.199995	6048.75469	0.000136512	0.055724185
408.239995	5561.134384	0.000125507	0.051237
408.279995	4406.643147	9.94518E-05	0.04060418
408.319995	3044.28111	6.87052E-05	0.028053701
408.359995	1826.641792	4.12248E-05	0.016834543
408.399995	977.384415	2.20582E-05	0.009008571
408.439995	533.219591	1.2034E-05	0.004915176
408.479995	372.717669	8.41172E-06	0.003436019
408.519995	378.796001	8.5489E-06	0.003492396
408.559995	496.395062	1.12029E-05	0.004577075
408.599995	609.114471	1.37469E-05	0.005616969
408.639995	607.483708	1.37101E-05	0.005602479
408.679995	542.485604	1.22431E-05	0.005003528
408.719995	429.3933	9.69081E-06	0.003960827
408.759995	348.416374	7.86327E-06	0.003214191
408.799995	333.254909	7.5211E-06	0.003074625
408.839995	357.775601	8.0745E-06	0.003301177
408.879995	439.958821	9.92926E-06	0.004059875
408.919995	673.675564	1.52039E-05	0.006217187
408.959995	1180.81759	2.66494E-05	0.010898542
408.999995	2172.37807	4.90275E-05	0.020052267
409.039995	3614.462913	8.15734E-05	0.03336678
409.079995	5260.004924	0.000118711	0.048562289
409.119995	6881.276933	0.000155301	0.063536677
409.159995	7929.32189	0.000178954	0.073220716
409.199995	8110.874336	0.000183051	0.074904524
409.239995	7208.388184	0.000162683	0.066576505
409.279995	5507.741323	0.000124302	0.050874342
409.319995	3652.900543	8.24409E-05	0.033744699
409.359995	2175.816346	4.91051E-05	0.020101682
409.399995	1221.406516	2.75654E-05	0.011285293
409.439995	672.774624	1.51836E-05	0.006216767

409.479995	426.898905	9.63451E-06	0.003945141
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409.599995	515.737267	1.16395E-05	0.004767528
409.639995	577.274551	1.30283E-05	0.005336906
409.679995	563.368998	1.27145E-05	0.005208857
409.719995	499.46934	1.12723E-05	0.004618498
409.759995	409.224466	9.23563E-06	0.00378439
409.799995	334.997183	7.56042E-06	0.00309826
409.839995	306.439208	6.91591E-06	0.002834415
409.879995	333.619076	7.52932E-06	0.003086117
409.919995	444.802415	1.00386E-05	0.004115011
409.959995	694.947826	1.5684E-05	0.006429814
409.999995	1183.791514	2.67165E-05	0.010953775
410.039995	2021.428072	4.56208E-05	0.018706359
410.079995	3053.430666	6.89117E-05	0.0282593
410.119995	3968.380698	8.95608E-05	0.036730685
410.159995	4501.071841	0.000101583	0.041665251
410.199995	4443.939693	0.000100294	0.041140405
410.239995	3863.092302	8.71846E-05	0.035766615
410.279995	2968.40793	6.69928E-05	0.027485819
410.319995	2022.056248	4.5635E-05	0.01872495
410.359995	1251.608007	2.8247E-05	0.011591459
410.399995	755.294293	1.70459E-05	0.006995654
410.439995	517.445714	1.1678E-05	0.00479313
410.479995	429.615743	9.69583E-06	0.003979944
410.519995	415.916272	9.38665E-06	0.003853408
410.559995	439.756097	9.92468E-06	0.004074678
410.599995	465.591331	1.05077E-05	0.004314481
410.639995	515.094892	1.1625E-05	0.004773679
410.679995	548.865583	1.23871E-05	0.005087147
410.719995	506.234463	1.1425E-05	0.004692479
410.759995	417.113619	9.41367E-06	0.00386676
410.799995	360.264693	8.13067E-06	0.00334008
410.839995	351.788858	7.93938E-06	0.003261817
410.879995	418.900736	9.45401E-06	0.003884462
410.919995	626.813323	1.41463E-05	0.005812999
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410.999995	1961.244245	4.42626E-05	0.018191908
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411.199995	7078.880262	0.00015976	0.065693503
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411.279995	4822.928911	0.000108847	0.044766506

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411.359995	1891.43863	4.26871E-05	0.01755978
411.399995	1025.731575	2.31493E-05	0.009523635
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411.479995	391.822786	8.84289E-06	0.003638674
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411.559995	418.566776	9.44647E-06	0.003887789
411.599995	506.250961	1.14254E-05	0.004702686
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411.759995	362.815717	8.18825E-06	0.003371592
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411.879995	417.031935	9.41183E-06	0.003876544
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412.239995	3770.648163	8.50983E-05	0.035080913
412.279995	3001.518499	6.77401E-05	0.027927885
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413.399995	1138.434532	2.56929E-05	0.010621437
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413.679995	487.290313	1.09975E-05	0.004549431
413.719995	414.350901	9.35132E-06	0.003868829
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415.319995	3330.234023	7.51587E-05	0.031214929
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415.399995	1067.539961	2.40929E-05	0.010008186
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415.479995	341.54938	7.70829E-06	0.003202642
415.519995	345.80934	7.80444E-06	0.003242899
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415.679995	541.75913	1.22267E-05	0.005082415
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416.239995	4508.303234	0.000101746	0.042350806
416.279995	3563.415953	8.04213E-05	0.033477793
416.319995	2523.754787	5.69576E-05	0.0237126
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416.399995	950.762102	2.14574E-05	0.008934851
416.439995	541.25214	1.22153E-05	0.005086942
416.479995	364.110612	8.21747E-06	0.003422412
416.519995	372.376126	8.40401E-06	0.003500438
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416.799995	380.371419	8.58445E-06	0.003578

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416.959995	1326.08921	2.9928E-05	0.012478773
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417.479995	353.39032	7.97553E-06	0.003329623
417.519995	349.858976	7.89583E-06	0.003296667
417.559995	412.771097	9.31567E-06	0.003889851
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417.679995	530.339539	1.1969E-05	0.004999222
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417.879995	296.889252	6.70038E-06	0.002799953
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418.079995	3084.827292	6.96203E-05	0.029106836
418.119995	4168.426741	9.40756E-05	0.039334883
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418.279995	3587.310972	8.09606E-05	0.033864204
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418.519995	321.838653	7.26345E-06	0.003039899
418.559995	361.947704	8.16866E-06	0.003419072
418.599995	431.2113	9.73184E-06	0.004073748
418.639995	475.581913	1.07332E-05	0.004493356

418.679995	484.866306	1.09428E-05	0.004581514
418.719995	439.697383	9.92336E-06	0.004155108
418.759995	372.854295	8.4148E-06	0.003523782
418.799995	320.487931	7.23297E-06	0.003029166
418.839995	331.144113	7.47346E-06	0.003130185
418.879995	421.988008	9.52368E-06	0.00398928
418.919995	627.941295	1.41718E-05	0.005936834
418.959995	1163.619134	2.62613E-05	0.011002419
418.999995	2185.803751	4.93305E-05	0.020669499
419.039995	3776.593012	8.52324E-05	0.035715803
419.079995	5567.243402	0.000125645	0.052655276
419.119995	7110.616411	0.000160477	0.067258997
419.159995	8014.215571	0.00018087	0.075813335
419.199995	7999.505213	0.000180538	0.075681399
419.239995	6972.885879	0.000157368	0.065975094
419.279995	5374.635945	0.000121298	0.050857845
419.319995	3650.014883	8.23758E-05	0.0345418
419.359995	2166.727439	4.89E-05	0.020506712
419.399995	1150.806676	2.59721E-05	0.0108927
419.439995	601.529317	1.35757E-05	0.005694183
419.479995	374.079239	8.44245E-06	0.003541438
419.519995	352.304361	7.95102E-06	0.003335611
419.559995	398.510052	8.99382E-06	0.003773446
419.599995	456.667859	1.03064E-05	0.004324548
419.639995	510.146189	1.15133E-05	0.004831437
419.679995	503.889938	1.13721E-05	0.00477264
419.719995	444.73961	1.00372E-05	0.004212794
419.759995	354.205605	7.99393E-06	0.003355531
419.799995	307.947785	6.94995E-06	0.00291759
419.839995	322.049798	7.26822E-06	0.003051488
419.879995	375.58359	8.4764E-06	0.00355907
419.919995	479.334107	1.08179E-05	0.004542654
419.959995	730.736057	1.64917E-05	0.006925852
419.999995	1245.19542	2.81023E-05	0.011802977
420.039995	2019.606876	4.55797E-05	0.019145303
420.079995	2939.098529	6.63314E-05	0.027864477
420.119995	3818.90766	8.61874E-05	0.036209061
420.159995	4405.933098	9.94358E-05	0.041778934
420.199995	4463.969139	0.000100746	0.042333286
420.239995	3977.230974	8.97606E-05	0.037720979
420.279995	3220.447872	7.2681E-05	0.03054638
420.319995	2363.336724	5.33372E-05	0.022418699
420.359995	1549.308762	3.49657E-05	0.014698199
420.399995	925.283105	2.08824E-05	0.00877894
420.439995	538.680405	1.21573E-05	0.005111401
420.479995	391.383893	8.83299E-06	0.003714095

420.519995	400.757205	9.04453E-06	0.003803407
420.559995	474.295774	1.07042E-05	0.004501756
420.599995	549.583876	1.24033E-05	0.005216846
420.639995	595.895819	1.34485E-05	0.005656993
420.679995	542.200505	1.22367E-05	0.005147739
420.719995	439.758153	9.92473E-06	0.004175532
420.759995	372.878482	8.41535E-06	0.003540842
420.799995	331.650066	7.48488E-06	0.003149637
420.839995	315.741131	7.12584E-06	0.002998837
420.879995	376.602763	8.4994E-06	0.003577227
420.919995	584.700589	1.31959E-05	0.005554409
420.959995	1123.778076	2.53621E-05	0.010676432
420.999995	2125.309216	4.79653E-05	0.020193378
421.039995	3577.908496	8.07484E-05	0.033998311
421.079995	5193.141649	0.000117202	0.049351406
421.119995	6459.399237	0.00014578	0.061390723
421.159995	7119.638672	0.00016068	0.067672126
421.199995	7079.764089	0.00015978	0.06729951
421.239995	6400.7767	0.000144457	0.060850904
421.279995	5309.741195	0.000119833	0.050483441
421.319995	4007.884017	9.04524E-05	0.038109388
421.359995	2708.597425	6.11293E-05	0.025757429
421.399995	1689.350888	3.81263E-05	0.016066421
421.439995	1022.574667	2.30781E-05	0.009726028
421.479995	670.663758	1.51359E-05	0.006379499
421.519995	539.515715	1.21761E-05	0.005132477
421.559995	499.359465	1.12698E-05	0.004750917
421.599995	497.449534	1.12267E-05	0.004733195
421.639995	508.084199	1.14668E-05	0.004834842
421.679995	492.645905	1.11183E-05	0.004688378
421.719995	429.139132	9.68507E-06	0.004084389
421.759995	348.710097	7.8699E-06	0.003319209
421.799995	290.685037	6.56036E-06	0.002767158
421.839995	310.980437	7.0184E-06	0.00296064
421.879995	375.927409	8.48416E-06	0.003579297
421.919995	470.850523	1.06264E-05	0.004483508
421.959995	680.686486	1.53621E-05	0.006482211
421.999995	1177.274673	2.65694E-05	0.011212308
422.039995	1949.685664	4.40017E-05	0.018570473
422.079995	2823.130478	6.37141E-05	0.026892457
422.119995	3552.015855	8.01641E-05	0.033838849
422.159995	3955.045304	8.92599E-05	0.037681944
422.199995	3971.62709	8.96341E-05	0.037843513
422.239995	3610.949664	8.14941E-05	0.03441007
422.279995	2980.426083	6.72641E-05	0.028404269
422.319995	2224.268692	5.01986E-05	0.021199892

422.359995	1538.469733	3.47211E-05	0.014664812
422.399995	1001.9408	2.26124E-05	0.009551481
422.439995	654.567885	1.47727E-05	0.006240573
422.479995	470.009579	1.06075E-05	0.00448144
422.519995	420.024262	9.47936E-06	0.00400522
422.559995	463.466198	1.04598E-05	0.004419887
422.599995	532.832724	1.20253E-05	0.005081889
422.639995	562.375671	1.2692E-05	0.005364162
422.679995	524.293334	1.18326E-05	0.005001391
422.719995	476.20372	1.07473E-05	0.004543079
422.759995	393.134149	8.87249E-06	0.003750934
422.799995	307.740445	6.94527E-06	0.002936461
422.839995	294.336526	6.64277E-06	0.002808827
422.879995	370.557711	8.36297E-06	0.003536533
422.919995	580.830153	1.31085E-05	0.005543858
422.959995	1063.381475	2.3999E-05	0.010150633
422.999995	1940.150603	4.37865E-05	0.018521688
423.039995	3212.084687	7.24923E-05	0.030667133
423.079995	4858.157333	0.000109642	0.046387271
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423.159995	7148.014448	0.000161321	0.068264479
423.199995	7295.152714	0.000164641	0.069676255
423.239995	6444.46015	0.000145442	0.061557078
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423.319995	3493.547874	7.88445E-05	0.033376457
423.359995	2209.410044	4.98633E-05	0.02111013
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423.439995	748.37041	1.68897E-05	0.007151765
423.479995	482.840111	1.0897E-05	0.004614674
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423.599995	520.274795	1.17419E-05	0.004973859
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423.679995	520.043375	1.17367E-05	0.004972586
423.719995	484.363605	1.09314E-05	0.004631858
423.759995	396.427788	8.94682E-06	0.003791306
423.799995	322.802351	7.2852E-06	0.003087467
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424.039995	1897.652168	4.28274E-05	0.018160516
424.079995	2766.810249	6.24431E-05	0.02648085
424.119995	3586.764867	8.09483E-05	0.034331787
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424.199995	4029.962012	9.09506E-05	0.038581257
424.239995	3434.708575	7.75166E-05	0.032885637
424.279995	2658.984572	6.00096E-05	0.025460864
424.319995	1864.797327	4.20859E-05	0.01785788
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424.439995	477.482531	1.07761E-05	0.004573814
424.479995	343.349258	7.74891E-06	0.003289259
424.519995	328.120591	7.40522E-06	0.003143666
424.559995	408.76035	9.22515E-06	0.00391663
424.599995	498.421338	1.12487E-05	0.004776187
424.639995	537.844742	1.21384E-05	0.005154453
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424.719995	466.494088	1.05281E-05	0.004471504
424.759995	403.40883	9.10438E-06	0.003867174
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424.839995	460.737667	1.03982E-05	0.004417574
424.879995	599.953446	1.35401E-05	0.005752923
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425.159995	7679.227166	0.000173309	0.07368425
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425.239995	6408.18142	0.000144624	0.061499794
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425.319995	3332.867883	7.52182E-05	0.031991798
425.359995	2113.977562	4.77095E-05	0.020293725
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425.719995	453.457762	1.02339E-05	0.00435678
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426.079995	3220.757143	7.2688E-05	0.030970904
426.119995	4035.975983	9.10864E-05	0.038813718
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426.279995	3057.770809	6.90096E-05	0.029417424
426.319995	2147.567333	4.84676E-05	0.020662708
426.359995	1346.230069	3.03825E-05	0.012953899
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426.479995	363.030063	8.19308E-06	0.003494186
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426.679995	654.547679	1.47722E-05	0.006303015
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426.839995	325.782438	7.35246E-06	0.003138322
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426.919995	596.967458	1.34727E-05	0.005751775
426.959995	1067.984554	2.41029E-05	0.010290984
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427.039995	3213.015148	7.25133E-05	0.030966069
427.079995	4609.070279	0.00010402	0.044424988
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427.159995	6385.395763	0.000144109	0.061557808
427.199995	6137.942664	0.000138525	0.059177801
427.239995	5272.648769	0.000118996	0.050839995
427.279995	4076.840117	9.20086E-05	0.039313435
427.319995	2848.102166	6.42777E-05	0.027467146
427.359995	1829.331006	4.12855E-05	0.017643751
427.399995	1095.62384	2.47267E-05	0.010568193
427.439995	631.175825	1.42448E-05	0.00608878
427.479995	394.246193	8.89759E-06	0.003803541
427.519995	347.416276	7.8407E-06	0.003352057
427.559995	403.209939	9.09989E-06	0.003890748
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427.639995	508.57687	1.14779E-05	0.004908397
427.679995	496.87874	1.12139E-05	0.004795944
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427.759995	378.47433	8.54164E-06	0.003653771
427.799995	312.611331	7.0552E-06	0.003018216
427.839995	279.73998	6.31334E-06	0.0027011

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427.999995	1131.010569	2.55253E-05	0.010924842
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428.479995	319.366477	7.20766E-06	0.003088337
428.519995	312.629917	7.05562E-06	0.003023475
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429.039995	3107.344093	7.01284E-05	0.0300879
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429.199995	6474.026448	0.00014611	0.062710308
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429.359995	2073.223535	4.67898E-05	0.020089654
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429.479995	377.666538	8.52341E-06	0.003660633
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429.879995	324.234585	7.31752E-06	0.003145657
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430.279995	3308.887073	7.4677E-05	0.032132007
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430.679995	487.571942	1.10038E-05	0.004739125
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430.759995	406.104073	9.1652E-06	0.003948003
430.799995	330.537026	7.45976E-06	0.003213665
430.839995	318.85151	7.19603E-06	0.003100339
430.879995	399.10837	9.00732E-06	0.003881074
430.919995	614.758359	1.38742E-05	0.005978687
430.959995	1063.16111	2.39941E-05	0.010340482
430.999995	1880.326959	4.24364E-05	0.018290071
431.039995	3222.519138	7.27278E-05	0.031348577
431.079995	4714.749513	0.000106405	0.045869209
431.119995	5906.61094	0.000133304	0.057470012
431.159995	6567.466666	0.000148219	0.06390592
431.199995	6496.475222	0.000146616	0.06322099
431.239995	5575.717034	0.000125836	0.054265588
431.279995	4211.68341	9.50518E-05	0.040993952
431.319995	2841.838949	6.41363E-05	0.027663289
431.359995	1729.003926	3.90212E-05	0.016832189
431.399995	968.414373	2.18558E-05	0.009428576
431.439995	552.028769	1.24585E-05	0.005375104
431.479995	368.400922	8.3143E-06	0.003587452
431.519995	339.301479	7.65756E-06	0.003304391

431.559995	374.091662	8.44273E-06	0.003643544
431.599995	423.9948	9.56897E-06	0.004129968
431.639995	466.021102	1.05174E-05	0.004539751
431.679995	472.557194	1.0665E-05	0.004603849
431.719995	420.364498	9.48704E-06	0.004095745
431.759995	344.649778	7.77827E-06	0.003358344
431.799995	299.892738	6.76816E-06	0.002922492
431.839995	292.126556	6.59289E-06	0.002847073
431.879995	301.313941	6.80024E-06	0.002936886
431.919995	380.429338	8.58576E-06	0.003708362
431.959995	629.272777	1.42018E-05	0.006134614
431.999995	1123.851662	2.53638E-05	0.010957147
432.039995	1933.168803	4.36289E-05	0.018849441
432.079995	2900.218937	6.54539E-05	0.028281322
432.119995	3665.810279	8.27322E-05	0.035750252
432.159995	4143.067383	9.35033E-05	0.040408368
432.199995	4144.166922	9.35281E-05	0.040422834
432.239995	3699.215354	8.34861E-05	0.036086048
432.279995	3009.510655	6.79205E-05	0.029360658
432.319995	2234.976192	5.04403E-05	0.02180635
432.359995	1516.014307	3.42143E-05	0.014792908
432.399995	957.39151	2.1607E-05	0.009342864
432.439995	635.325295	1.43384E-05	0.006200501
432.479995	489.625818	1.10502E-05	0.004778979
432.519995	532.366961	1.20148E-05	0.005196633
432.559995	681.53987	1.53814E-05	0.006653381
432.599995	847.736411	1.91322E-05	0.008276603
432.639995	956.998326	2.15981E-05	0.00934421
432.679995	1046.986437	2.3629E-05	0.010223807
432.719995	1194.497722	2.69581E-05	0.01166533
432.759995	1438.376935	3.24622E-05	0.014048326
432.799995	1830.905452	4.1321E-05	0.017883722
432.839995	2535.123618	5.72142E-05	0.024764598
432.879995	3740.766135	8.44239E-05	0.036545409
432.919995	5791.769915	0.000130712	0.056587916
432.959995	9370.165467	0.000211472	0.091558736
432.999995	15508.29584	0.000350001	0.151550274
433.039995	24238.27467	0.000547024	0.236883313
433.079995	33063.15976	0.000746189	0.323159729
433.119995	38008.63501	0.000857802	0.371531177
433.159995	36405.45578	0.00082162	0.355893101
433.199995	29649.56406	0.000669149	0.2898755
433.239995	20726.95204	0.000467778	0.202660328
433.279995	12646.79159	0.00028542	0.12366698
433.319995	6925.832657	0.000156306	0.067730687
433.359995	3479.045746	7.85172E-05	0.034026221

433.399995	1624.989001	3.66737E-05	0.015894398
433.439995	778.88321	1.75783E-05	0.007619142
433.479995	453.743042	1.02403E-05	0.004438986
433.519995	393.566811	8.88225E-06	0.003850635
433.559995	423.96756	9.56836E-06	0.004148457
433.599995	503.991128	1.13744E-05	0.00493193
433.639995	578.408128	1.30539E-05	0.005660678
433.679995	613.636465	1.38489E-05	0.006006
433.719995	595.721045	1.34446E-05	0.005831189
433.759995	588.540454	1.32825E-05	0.005761434
433.799995	614.881225	1.3877E-05	0.006019848
433.839995	748.874211	1.6901E-05	0.007332351
433.879995	1037.222933	2.34087E-05	0.010156557
433.919995	1530.103561	3.45323E-05	0.014984258
433.959995	2485.14724	5.60863E-05	0.024339216
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434.119995	11685.82539	0.000263733	0.114491683
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434.319995	3136.936856	7.07963E-05	0.030748247
434.359995	1823.967278	4.11644E-05	0.017880169
434.399995	1006.259851	2.27099E-05	0.009865173
434.439995	553.382413	1.24891E-05	0.005425752
434.479995	375.336806	8.47083E-06	0.003680406
434.519995	407.028725	9.18607E-06	0.003991532
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434.599995	724.427368	1.63493E-05	0.007105413
434.639995	793.860627	1.79163E-05	0.007787153
434.679995	718.358073	1.62123E-05	0.00704718
434.719995	576.901849	1.30199E-05	0.005659998
434.759995	473.556231	1.06875E-05	0.004646499
434.799995	427.165782	9.64054E-06	0.004191705
434.839995	517.555976	1.16805E-05	0.005079156
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434.999995	3751.425858	8.46645E-05	0.036829038
435.039995	6271.832791	0.000141547	0.061578402
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435.159995	12183.35726	0.000274961	0.119652203
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435.239995	10003.07701	0.000225756	0.098257829
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435.319995	5194.175675	0.000117225	0.051030521
435.359995	3208.638687	7.24145E-05	0.031526379
435.399995	1806.607654	4.07726E-05	0.017752398
435.439995	940.18941	2.12188E-05	0.009239499
435.479995	532.975667	1.20285E-05	0.005238179
435.519995	431.702513	9.74292E-06	0.004243238
435.559995	469.805198	1.06028E-05	0.004618177
435.599995	521.602484	1.17718E-05	0.005127814
435.639995	540.289165	1.21936E-05	0.005312008
435.679995	524.368235	1.18343E-05	0.005155951
435.719995	470.42719	1.06169E-05	0.00462599
435.759995	388.109836	8.7591E-06	0.003816865
435.799995	316.490424	7.14275E-06	0.00311281
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436.039995	2315.69193	5.22619E-05	0.022788297
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436.119995	4617.766211	0.000104217	0.045450922
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436.239995	4960.864762	0.00011196	0.048841346
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436.439995	685.660242	1.54744E-05	0.006753646
436.479995	447.201815	1.00927E-05	0.004405271
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436.639995	539.075908	1.21662E-05	0.005312246
436.679995	527.956845	1.19153E-05	0.005203152
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436.799995	396.865292	8.9567E-06	0.003912285
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438.039995	1831.22857	4.13283E-05	0.018103439
438.079995	2735.690755	6.17407E-05	0.027047379
438.119995	3578.072272	8.07521E-05	0.035379113
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438.239995	3880.166068	8.75699E-05	0.038376652
438.279995	3240.332259	7.31298E-05	0.032051322
438.319995	2387.855503	5.38906E-05	0.023621316
438.359995	1574.05583	3.55242E-05	0.015572409
438.399995	947.158439	2.1376E-05	0.009371259
438.439995	571.435005	1.28965E-05	0.005654338
438.479995	412.314308	9.30536E-06	0.004080214
438.519995	373.828473	8.43679E-06	0.0036997
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438.639995	514.023238	1.16008E-05	0.00508857
438.679995	486.919345	1.09891E-05	0.004820695
438.719995	458.908242	1.03569E-05	0.004543788
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438.799995	381.112411	8.60118E-06	0.003774196
438.839995	386.014512	8.71181E-06	0.003823091
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442.679995	509.180252	1.14915E-05	0.005087052
442.719995	472.27087	1.06585E-05	0.004718729
442.759995	414.967498	9.36524E-06	0.004146553
442.799995	391.300768	8.83111E-06	0.003910417
442.839995	430.025197	9.70507E-06	0.004297793
442.879995	478.644176	1.08023E-05	0.004784137
442.919995	617.866615	1.39444E-05	0.006176249
442.959995	981.383233	2.21485E-05	0.009810878
442.999995	1713.990453	3.86824E-05	0.017136293
443.039995	2863.675429	6.46292E-05	0.028633305
443.079995	4133.570247	9.32889E-05	0.041334455
443.119995	5154.825256	0.000116337	0.051551351
443.159995	5770.153767	0.000130224	0.057710215
443.199995	5729.72918	0.000129312	0.057311081
443.239995	5021.10496	0.000113319	0.050227666
443.279995	3971.032225	8.96207E-05	0.039727048
443.319995	2803.948023	6.32812E-05	0.028053822
443.359995	1784.624696	4.02765E-05	0.017856986
443.399995	1054.647458	2.38019E-05	0.010553773
443.439995	596.228949	1.34561E-05	0.005966954
443.479995	380.49315	8.5872E-06	0.003808252
443.519995	350.836753	7.9179E-06	0.003511746
443.559995	422.274337	9.53014E-06	0.00422719
443.599995	519.194049	1.17175E-05	0.005197877
443.639995	563.003706	1.27062E-05	0.005636983
443.679995	541.11592	1.22122E-05	0.005418323
443.719995	473.188748	1.06792E-05	0.004738579
443.759995	391.561977	8.83701E-06	0.003921511
443.799995	331.255967	7.47599E-06	0.003317842
443.839995	302.709227	6.83173E-06	0.003032193
443.879995	316.345367	7.13947E-06	0.00316907
443.919995	399.570637	9.01775E-06	0.004003161
443.959995	599.551451	1.3531E-05	0.006007241
443.999995	988.746322	2.23146E-05	0.009907694
444.039995	1652.703608	3.72992E-05	0.016562345
444.079995	2484.672307	5.60756E-05	0.024902049
444.119995	3232.321098	7.2949E-05	0.032398103
444.159995	3727.629565	8.41274E-05	0.037366029
444.199995	3848.155172	8.68475E-05	0.03857766
444.239995	3535.236522	7.97854E-05	0.03544385
444.279995	2861.51427	6.45804E-05	0.028691776
444.319995	2033.407291	4.58912E-05	0.020390365
444.359995	1275.096204	2.87771E-05	0.012787412
444.399995	760.895562	1.71724E-05	0.007631394

444.439995	466.883425	1.05369E-05	0.004683024
444.479995	350.951634	7.92049E-06	0.003520499
444.519995	358.613368	8.0934E-06	0.00359768
444.559995	397.483078	8.97064E-06	0.003987987
444.599995	449.824474	1.01519E-05	0.00451354
444.639995	506.67067	1.14349E-05	0.005084392
444.679995	482.597521	1.08916E-05	0.004843256
444.719995	385.140058	8.69207E-06	0.003865539
444.759995	308.846379	6.97023E-06	0.003100081
444.799995	284.179408	6.41353E-06	0.00285274
444.839995	297.721728	6.71916E-06	0.002988953
444.879995	385.494379	8.70007E-06	0.003870488
444.919995	637.573523	1.43891E-05	0.006402019
444.959995	1212.602959	2.73668E-05	0.012177113
444.999995	2198.626663	4.96199E-05	0.022080874
445.039995	3681.085046	8.3077E-05	0.036972571
445.079995	5406.878359	0.000122026	0.054311204
445.119995	6771.887614	0.000152832	0.068028611
445.159995	7364.705006	0.000166211	0.073990547
445.199995	7269.731781	0.000164068	0.073042948
445.239995	6451.893548	0.00014561	0.064831507
445.279995	5042.440331	0.000113801	0.050673244
445.319995	3449.506452	7.78506E-05	0.034668409
445.359995	2065.283419	4.66106E-05	0.020758483
445.399995	1130.416008	2.55119E-05	0.011363007
445.439995	595.961258	1.345E-05	0.005991175
445.479995	378.274094	8.53712E-06	0.003803116
445.519995	328.725749	7.41888E-06	0.00330526
445.559995	359.452376	8.11234E-06	0.003614534
445.599995	478.823444	1.08064E-05	0.004815322
445.639995	529.837523	1.19577E-05	0.005328827
445.679995	491.994321	1.11036E-05	0.004948664
445.719995	413.509399	9.33233E-06	0.004159607
445.759995	329.638081	7.43947E-06	0.003316219
445.799995	270.034562	6.0943E-06	0.002716841
445.839995	257.680792	5.8155E-06	0.002592781
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446.039995	1944.981617	4.38955E-05	0.01957916
446.079994	2851.262887	6.4349E-05	0.028704816
446.119994	3728.016522	8.41361E-05	0.037534814
446.159994	4373.978472	9.87146E-05	0.044042506
446.199994	4536.472598	0.000102382	0.045682789
446.239994	4108.380516	9.27204E-05	0.041375562

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446.319994	2293.951094	5.17713E-05	0.023106558
446.359994	1429.125923	3.22534E-05	0.014396619
446.399994	810.857923	1.82999E-05	0.00816909
446.439994	486.233625	1.09736E-05	0.004899061
446.479994	360.87367	8.14442E-06	0.003636319
446.519994	344.015738	7.76396E-06	0.003466762
446.559994	393.033096	8.87021E-06	0.003961081
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446.639994	566.28744	1.27803E-05	0.005708201
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446.799994	389.919111	8.79993E-06	0.003931809
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447.039994	17248.43449	0.000389273	0.174020663
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447.119994	28280.57762	0.000638253	0.285375787
447.159994	27391.54395	0.000618189	0.276429387
447.199994	22580.44264	0.000509609	0.227897204
447.239994	16150.40229	0.000364492	0.163015438
447.279994	10317.34866	0.000232848	0.104148336
447.319994	5986.153718	0.000135099	0.060432552
447.359994	3200.527506	7.22314E-05	0.03231346
447.399994	1591.635358	3.5921E-05	0.016071052
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447.519994	348.273513	7.86005E-06	0.003517529
447.559994	416.879974	9.4084E-06	0.004210824
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448.159994	8753.595146	0.000197556	0.088536897
448.199994	7655.823787	0.000172781	0.077440568
448.239994	5952.008571	0.000134329	0.060211425
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448.319994	2640.873848	5.96008E-05	0.02672025
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449.479994	396.69793	8.95292E-06	0.004024158
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452.719994	495.296176	1.11781E-05	0.00506057
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453.679994	512.585715	1.15683E-05	0.005248327
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453.799994	335.24544	7.56602E-06	0.003433461
453.839994	341.395848	7.70483E-06	0.003496759
453.879994	351.058898	7.92291E-06	0.00359605
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454.079994	3183.183599	7.184E-05	0.032621116
454.119994	4458.541683	0.000100623	0.04569495
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454.199994	6129.434002	0.000138333	0.062830751
454.239994	6079.789598	0.000137212	0.062327352
454.279994	5278.093242	0.000119119	0.054113475
454.319994	3997.888814	9.02268E-05	0.040991831
454.359994	2726.825093	6.15406E-05	0.027961607
454.399994	1696.693742	3.8292E-05	0.017399891
454.439994	963.563786	2.17463E-05	0.009882385
454.479994	573.261535	1.29377E-05	0.005879932
454.519994	436.869547	9.85954E-06	0.004481357
454.559994	443.915394	1.00186E-05	0.004554033
454.599994	474.105408	1.06999E-05	0.004864174
454.639994	510.816881	1.15284E-05	0.005241283
454.679994	518.177523	1.16945E-05	0.005317276
454.719994	444.796522	1.00384E-05	0.004564678
454.759994	380.960977	8.59776E-06	0.003909917
454.799994	355.106861	8.01427E-06	0.003644889
454.839994	366.753479	8.27712E-06	0.003764763
454.879994	411.008181	9.27588E-06	0.004219413
454.919994	495.826386	1.11901E-05	0.005090605
454.959994	797.52772	1.79991E-05	0.008188866
454.999994	1431.660209	3.23106E-05	0.014701312
455.039994	2445.513602	5.51918E-05	0.025114493
455.079994	3813.524528	8.60659E-05	0.039166886
455.119994	5135.516044	0.000115901	0.052749064
455.159994	6035.084545	0.000136203	0.061994362
455.199994	6370.74386	0.000143779	0.065448116
455.239994	6070.564846	0.000137004	0.062369788
455.279994	5369.78618	0.000121189	0.055174743
455.319994	4460.573613	0.000100669	0.045836578
455.359994	3443.617765	7.77177E-05	0.035389512
455.399994	2435.662099	5.49695E-05	0.02503311
455.439994	1558.74879	3.51788E-05	0.016021827

455.479994	928.630771	2.09579E-05	0.009545906
455.519994	590.727845	1.33319E-05	0.006072949
455.559994	509.811132	1.15057E-05	0.005241549
455.599994	535.95987	1.20959E-05	0.005510877
455.639994	575.206598	1.29816E-05	0.005914941
455.679994	576.306158	1.30064E-05	0.005926769
455.719994	527.064975	1.18951E-05	0.005420845
455.759994	451.625299	1.01926E-05	0.004645358
455.799994	374.650774	8.45535E-06	0.003853947
455.839994	351.499216	7.93285E-06	0.003616109
455.879994	372.769856	8.4129E-06	0.003835271
455.919994	421.652712	9.51611E-06	0.004338587
455.959994	566.472141	1.27845E-05	0.005829215
455.999994	931.078733	2.10132E-05	0.009581996
456.039994	1612.594811	3.6394E-05	0.016597128
456.079994	2586.963764	5.83842E-05	0.026627851
456.119994	3557.717866	8.02927E-05	0.036623123
456.159994	4301.285951	9.7074E-05	0.04428129
456.199994	4684.964543	0.000105733	0.048235451
456.239994	4514.921741	0.000101895	0.0464888
456.279994	3920.50885	8.84804E-05	0.040371847
456.319994	3096.311268	6.98794E-05	0.031887382
456.359994	2183.422472	4.92768E-05	0.022487962
456.399994	1364.665531	3.07986E-05	0.014056481
456.439994	831.439625	1.87644E-05	0.008564838
456.479994	540.930382	1.2208E-05	0.005572728
456.519994	411.262154	9.28161E-06	0.004237242
456.559994	405.49589	9.15148E-06	0.004178198
456.599994	464.082471	1.04737E-05	0.004782289
456.639994	528.039507	1.19171E-05	0.005441832
456.679994	523.68384	1.18188E-05	0.005397416
456.719994	494.420653	1.11584E-05	0.005096258
456.759994	439.316699	9.91477E-06	0.004528668
456.799994	389.055263	8.78044E-06	0.004010903
456.839994	372.293046	8.40214E-06	0.003838432
456.879994	446.298391	1.00723E-05	0.004601847
456.919994	667.997126	1.50758E-05	0.006888418
456.959994	1112.541378	2.51085E-05	0.011473584
456.999994	1894.046251	4.2746E-05	0.019534915
457.039994	3039.709177	6.8602E-05	0.031353859
457.079994	4313.075248	9.73401E-05	0.044492213
457.119994	5471.280539	0.000123479	0.056444802
457.159994	6164.76912	0.00013913	0.063604785
457.199994	6211.922876	0.000140194	0.0640969
457.239994	5704.772709	0.000128749	0.058869089
457.279994	4701.194681	0.000106099	0.04851714

457.319994	3417.829164	7.71356E-05	0.035275672
457.359994	2269.991211	5.12305E-05	0.023430799
457.399994	1411.336475	3.18519E-05	0.014569058
457.439994	820.034037	1.8507E-05	0.008465854
457.479994	501.01928	1.13073E-05	0.005172867
457.519994	392.22917	8.85207E-06	0.004049997
457.559994	402.816895	9.09102E-06	0.004159685
457.599994	447.138643	1.00913E-05	0.004617777
457.639994	476.777552	1.07602E-05	0.0049243
457.679994	517.171793	1.16718E-05	0.005341971
457.719994	488.475779	1.10242E-05	0.005046005
457.759994	397.559866	8.97237E-06	0.004107193
457.799994	319.491416	7.21048E-06	0.003300956
457.839994	312.556832	7.05397E-06	0.003229591
457.879994	348.715626	7.87003E-06	0.003603527
457.919994	417.595657	9.42455E-06	0.004315691
457.959994	638.134551	1.44018E-05	0.006595452
457.999994	1066.797096	2.40761E-05	0.011026865
458.039994	1714.010035	3.86828E-05	0.017718278
458.079994	2519.041444	5.68513E-05	0.026042423
458.119994	3286.563169	7.41732E-05	0.033980204
458.159994	3793.041541	8.56037E-05	0.039220174
458.199994	3918.076635	8.84255E-05	0.040516578
458.239994	3686.965113	8.32097E-05	0.038129997
458.279994	3093.463066	6.98152E-05	0.031994888
458.319994	2357.732547	5.32107E-05	0.024387546
458.359994	1602.346149	3.61627E-05	0.016575544
458.399994	1005.567503	2.26943E-05	0.010403048
458.439994	603.196581	1.36133E-05	0.006240884
458.479994	414.046667	9.34446E-06	0.004284246
458.519994	383.382306	8.6524E-06	0.003967301
458.559994	414.154155	9.34688E-06	0.004286106
458.599994	442.125166	9.97815E-06	0.004575979
458.639994	480.200059	1.08374E-05	0.004970486
458.679994	503.032811	1.13527E-05	0.005207279
458.719994	530.687038	1.19769E-05	0.005494028
458.759994	545.312514	1.23069E-05	0.005645934
458.799994	487.084591	1.09928E-05	0.005043506
458.839994	433.886397	9.79221E-06	0.004493058
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458.919994	584.395428	1.3189E-05	0.006052692
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458.999994	1607.220947	3.62727E-05	0.016649187
459.039994	2647.653594	5.97539E-05	0.027429409
459.079994	3678.883969	8.30273E-05	0.038116166
459.119994	4552.709322	0.000102748	0.047173803

459.159994	5082.198631	0.000114698	0.052664799
459.199994	5175.770267	0.00011681	0.053639117
459.239994	4742.498653	0.000107032	0.049153186
459.279994	3957.203143	8.93086E-05	0.041017636
459.319994	3018.398807	6.81211E-05	0.031289363
459.359994	2038.59674	4.60083E-05	0.021134367
459.399994	1216.978098	2.74655E-05	0.012617651
459.439994	702.832092	1.58619E-05	0.00728761
459.479994	440.103942	9.93253E-06	0.0045638
459.519994	366.344579	8.26789E-06	0.003799259
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459.639994	501.838411	1.13258E-05	0.005205788
459.679994	487.302133	1.09977E-05	0.005055437
459.719994	424.679513	9.58443E-06	0.004406152
459.759994	362.451792	8.18003E-06	0.003760852
459.799994	319.88181	7.21929E-06	0.003319428
459.839994	297.146758	6.70619E-06	0.003083774
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460.039994	1737.760653	3.92188E-05	0.018042234
460.079994	2543.770607	5.74094E-05	0.026412898
460.119994	3210.235123	7.24505E-05	0.03333594
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460.199994	3778.164272	8.52679E-05	0.039240289
460.239994	3531.384375	7.96984E-05	0.036680403
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460.319994	2175.998027	4.91092E-05	0.022605967
460.359994	1438.272337	3.24598E-05	0.014943195
460.399994	904.580987	2.04151E-05	0.009399127
460.439994	552.819386	1.24764E-05	0.005744617
460.479994	380.231547	8.5813E-06	0.003951515
460.519994	345.075859	7.78788E-06	0.003586475
460.559994	389.109057	8.78165E-06	0.004044476
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460.639994	518.293773	1.16972E-05	0.005388184
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460.719994	460.757742	1.03987E-05	0.004790871
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461.279994	5347.32914	0.000120682	0.055668086
461.319994	3880.824307	8.75848E-05	0.040404619
461.359994	2531.627703	5.71353E-05	0.026359947
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461.599994	489.401519	1.10451E-05	0.005098423
461.639994	521.768671	1.17756E-05	0.005436084
461.679994	501.271193	1.1313E-05	0.005222982
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461.839994	318.329343	7.18425E-06	0.003317974
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461.919994	446.539233	1.00778E-05	0.004655123
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462.079994	3130.531956	7.06517E-05	0.032646758
462.119994	3855.338823	8.70096E-05	0.040208888
462.159994	4215.09876	9.51289E-05	0.043964775
462.199994	4129.014671	9.31861E-05	0.043070619
462.239994	3658.776048	8.25735E-05	0.038168765
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462.359994	1490.249074	3.36328E-05	0.015550482
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462.519994	451.873834	1.01982E-05	0.004716854
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462.719994	897.845316	2.02631E-05	0.00937615
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462.799994	1826.029744	4.12109E-05	0.019072426

462.839994	4539.815859	0.000102457	0.047421346
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462.919994	38103.44369	0.000859942	0.398084184
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463.079994	327364.9195	0.00738817	3.421313836
463.119994	329299.4732	0.00743183	3.441829266
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463.679994	526.015772	1.18714E-05	0.005504551
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463.999994	39553.71434	0.000892672	0.414199914
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464.159994	67104.70054	0.00151446	0.702951569
464.199994	45785.72782	0.00103332	0.479667185
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464.279994	13460.81521	0.000303792	0.141044478
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465.039994	35419.51635	0.000799369	0.371738624
465.079994	44189.64689	0.000997299	0.46382371
465.119994	45236.8647	0.001020933	0.474856363
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465.479994	442.635015	9.98966E-06	0.004649985
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466.599994	463.990935	1.04716E-05	0.004886062
466.639994	493.952258	1.11478E-05	0.005202016
466.679994	505.490695	1.14082E-05	0.005323988
466.719994	478.354251	1.07958E-05	0.005038611
466.759994	412.314895	9.30537E-06	0.004343376
466.799994	341.455804	7.70618E-06	0.003597246
466.839994	328.684842	7.41796E-06	0.003463
466.879994	435.49797	9.82858E-06	0.004588769
466.919994	717.73555	1.61983E-05	0.007563306
466.959994	1340.850113	3.02611E-05	0.014130732
466.999994	2486.338676	5.61132E-05	0.026204864
467.039994	4122.7188	9.3044E-05	0.043455279
467.079994	5790.783191	0.00013069	0.061042643
467.119994	7060.721029	0.000159351	0.074435869
467.159994	7604.42341	0.000171621	0.080174579
467.199994	7286.48474	0.000164446	0.076829082
467.239994	6301.481533	0.000142216	0.066448845
467.279994	4949.932023	0.000111713	0.052201283
467.319994	3496.508666	7.89113E-05	0.036876842
467.359994	2233.310085	5.04027E-05	0.023556205
467.399994	1269.422236	2.86491E-05	0.013390585
467.439994	683.383959	1.5423E-05	0.007209338
467.479994	420.730131	9.49529E-06	0.00443886
467.519994	355.393405	8.02073E-06	0.003749854
467.559994	392.770242	8.86428E-06	0.004144581
467.599994	464.296013	1.04785E-05	0.004899753
467.639994	505.443459	1.14072E-05	0.005334442
467.679994	513.220924	1.15827E-05	0.005416988
467.719994	462.44203	1.04367E-05	0.00488144
467.759994	382.337048	8.62881E-06	0.004036214
467.799994	311.203413	7.02343E-06	0.003285559
467.839994	283.230433	6.39212E-06	0.002990488
467.879994	306.718818	6.92222E-06	0.003238767
467.919994	380.319648	8.58328E-06	0.004016291
467.959994	589.113221	1.32955E-05	0.006221746
467.999994	1040.674923	2.34866E-05	0.010991721
468.039994	1737.250968	3.92073E-05	0.018350601
468.079994	2668.700034	6.02288E-05	0.028191916
468.119994	3609.215456	8.1455E-05	0.038130698
468.159994	4257.897881	9.60948E-05	0.044987752
468.199994	4419.100688	9.97329E-05	0.046694965
468.239994	4043.610644	9.12587E-05	0.042730954
468.279994	3272.986544	7.38667E-05	0.03459032
468.319994	2354.704945	5.31424E-05	0.024887653

468.359994	1549.588061	3.4972E-05	0.016379506
468.399994	944.090963	2.13068E-05	0.009980113
468.439994	556.45076	1.25583E-05	0.005882819
468.479994	376.348022	8.49365E-06	0.003979105
468.519994	331.425722	7.47982E-06	0.003504444
468.559994	368.291356	8.31182E-06	0.003894588
468.599994	442.818669	9.9938E-06	0.004683095
468.639994	506.450693	1.14299E-05	0.005356502
468.679994	509.085234	1.14893E-05	0.005384826
468.719994	459.598773	1.03725E-05	0.0048618
468.759994	378.574006	8.54389E-06	0.004005033
468.799994	325.436291	7.34464E-06	0.003443169
468.839994	293.734709	6.62918E-06	0.003108026
468.879994	322.650574	7.28177E-06	0.003414278
468.919994	448.218067	1.01157E-05	0.004743434
468.959994	804.031053	1.81459E-05	0.008509683
468.999994	1531.09125	3.45546E-05	0.016206106
469.039994	2613.073547	5.89734E-05	0.027660897
469.079994	3930.715769	8.87108E-05	0.041612452
469.119994	5166.838661	0.000116608	0.054703309
469.159994	5976.603482	0.000134884	0.063281996
469.199994	6230.329662	0.00014061	0.065974147
469.239994	6020.1167	0.000135866	0.063753596
469.279994	5244.12216	0.000118353	0.055540476
469.319994	4062.03797	9.16745E-05	0.043024694
469.359994	2779.708989	6.27342E-05	0.029444905
469.399994	1700.299084	3.83734E-05	0.018012465
469.439994	987.983343	2.22974E-05	0.010467295
469.479994	581.522068	1.31241E-05	0.006161523
469.519994	395.934771	8.9357E-06	0.004195488
469.559994	400.140409	9.03061E-06	0.004240414
469.599994	494.2406	1.11543E-05	0.00523807
469.639994	544.107919	1.22798E-05	0.005767065
469.679994	577.844623	1.30411E-05	0.006125166
469.719994	628.248683	1.41787E-05	0.006660018
469.759994	615.492784	1.38908E-05	0.006525349
469.799994	543.01121	1.2255E-05	0.005757402
469.839994	442.031724	9.97604E-06	0.004687143
469.879994	365.736787	8.25417E-06	0.003878469
469.919994	370.136475	8.35346E-06	0.00392546
469.959994	569.027835	1.28422E-05	0.006035304
469.999994	991.06066	2.23669E-05	0.010512423
470.039994	1620.444683	3.65712E-05	0.017189917
470.079994	2500.408593	5.64307E-05	0.026526962
470.119994	3468.324757	7.82753E-05	0.036798764
470.159994	4241.332917	9.5721E-05	0.045004174

470.199994	4578.567157	0.000103332	0.048586651
470.239994	4484.463292	0.000101208	0.047592092
470.279994	3884.813492	8.76748E-05	0.041231718
470.319994	2959.37979	6.67891E-05	0.03141224
470.359994	2020.70789	4.56046E-05	0.021450562
470.399994	1230.131115	2.77623E-05	0.013059407
470.439994	712.271775	1.6075E-05	0.007562314
470.479994	482.882811	1.0898E-05	0.005127287
470.519994	428.825249	9.67799E-06	0.004553687
470.559994	444.808387	1.00387E-05	0.004723813
470.599994	524.798402	1.1844E-05	0.005573772
470.639994	547.193719	1.23494E-05	0.005812122
470.679994	516.691679	1.1661E-05	0.005488605
470.719994	480.594498	1.08463E-05	0.005105593
470.759994	470.259328	1.06131E-05	0.004996222
470.799994	455.160963	1.02723E-05	0.004836222
470.839994	443.77093	1.00153E-05	0.0047156
470.879994	498.275192	1.12454E-05	0.005295223
470.919994	716.225134	1.61642E-05	0.007612047
470.959994	1185.302562	2.67506E-05	0.012598476
470.999994	2037.938242	4.59934E-05	0.021662904
471.039994	3310.88307	7.4722E-05	0.035197059
471.079994	4882.789	0.000110198	0.051911954
471.119994	6281.127906	0.000141756	0.066784231
471.159994	7093.4078	0.000160088	0.075427218
471.199994	7137.297514	0.000161079	0.075900359
471.239994	6518.058999	0.000147104	0.069321058
471.279994	5490.236878	0.000123907	0.05839489
471.319994	4256.330185	9.60594E-05	0.045274736
471.359994	3064.421707	6.91597E-05	0.03259913
471.399994	2028.784518	4.57868E-05	0.021583916
471.439994	1224.057335	2.76253E-05	0.013023657
471.479994	709.975785	1.60232E-05	0.007554602
471.519994	471.292051	1.06364E-05	0.005015278
471.559994	409.82663	9.24922E-06	0.00436156
471.599994	426.40752	9.62342E-06	0.004538407
471.639994	453.005671	1.02237E-05	0.004821909
471.679994	464.023441	1.04724E-05	0.004939604
471.719994	443.22201	1.00029E-05	0.00471857
471.759994	384.877272	8.68614E-06	0.004097775
471.799994	323.409522	7.2989E-06	0.003443622
471.839994	300.172445	6.77447E-06	0.003196468
471.879994	339.052326	7.65194E-06	0.003610797
471.919994	442.321803	9.98259E-06	0.004710982
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472.079994	2760.598693	6.23029E-05	0.029411937
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472.239994	6426.03328	0.000145027	0.06848737
472.279994	5811.747152	0.000131163	0.061945679
472.319994	4506.316124	0.000101701	0.048035547
472.359994	3026.098142	6.82948E-05	0.032259741
472.399994	1778.88668	4.0147E-05	0.01896544
472.439994	936.944633	2.11455E-05	0.009989997
472.479994	514.588596	1.16135E-05	0.005487169
472.519994	375.204475	8.46784E-06	0.004001225
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472.599994	401.317979	9.05719E-06	0.004280427
472.639994	448.847229	1.01299E-05	0.004787775
472.679994	527.469976	1.19043E-05	0.005626907
472.719994	607.42032	1.37086E-05	0.006480344
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472.839994	509.239283	1.14928E-05	0.005434266
472.879994	486.650676	1.0983E-05	0.005193654
472.919994	579.539911	1.30794E-05	0.006185514
472.959994	901.592631	2.03477E-05	0.009623643
472.999994	1577.230435	3.55959E-05	0.016836858
473.039994	2627.131647	5.92907E-05	0.028046873
473.079994	3882.981918	8.76335E-05	0.041457653
473.119994	5030.454569	0.00011353	0.05371348
473.159994	5808.713461	0.000131095	0.062028707
473.199994	6141.047876	0.000138595	0.065583104
473.239994	5883.924647	0.000132792	0.062842478
473.279994	5055.310717	0.000114091	0.05399714
473.319994	3928.292035	8.86561E-05	0.041962695
473.359994	2746.908179	6.19939E-05	0.029345428
473.399994	1704.241474	3.84624E-05	0.018208079
473.439994	977.773161	2.2067E-05	0.01044739
473.479994	591.293201	1.33447E-05	0.006318431
473.519994	443.085679	9.99983E-06	0.004735118
473.559994	434.592516	9.80815E-06	0.004644746
473.599994	474.240916	1.0703E-05	0.00506892
473.639994	489.41356	1.10454E-05	0.005231535
473.679994	479.510136	1.08219E-05	0.005126106
473.719994	439.751455	9.92458E-06	0.004701471
473.759994	391.538036	8.83647E-06	0.004186365
473.799994	331.522617	7.482E-06	0.003544973
473.839994	297.834096	6.7217E-06	0.003185011

473.879994	298.751922	6.74241E-06	0.003195095
473.919994	353.834154	7.98554E-06	0.003784509
473.959994	546.178383	1.23265E-05	0.005842261
473.999994	974.5209	2.19936E-05	0.010424956
474.039994	1736.576189	3.91921E-05	0.018578626
474.079994	2813.965395	6.35073E-05	0.030107531
474.119994	4027.897334	9.0904E-05	0.043099419
474.159994	5053.665837	0.000114054	0.054079938
474.199994	5626.047108	0.000126972	0.060210144
474.239994	5596.943692	0.000126315	0.059903731
474.279994	4858.584466	0.000109651	0.052005505
474.319994	3671.945466	8.28707E-05	0.039307227
474.359994	2535.996521	5.72339E-05	0.027149477
474.399994	1571.135651	3.54583E-05	0.016821438
474.439994	875.572756	1.97605E-05	0.009375151
474.479994	493.716097	1.11425E-05	0.005286886
474.519994	398.704091	8.9982E-06	0.004269824
474.559994	448.192965	1.01151E-05	0.004800217
474.599994	501.173352	1.13108E-05	0.005368098
474.639994	500.372836	1.12927E-05	0.005359976
474.679994	475.360935	1.07282E-05	0.005092478
474.719994	457.466678	1.03244E-05	0.004901192
474.759994	450.18833	1.01601E-05	0.00482362
474.799994	460.718407	1.03978E-05	0.004936862
474.839994	494.071434	1.11505E-05	0.005294705
474.879994	585.885163	1.32226E-05	0.006279154
474.919994	786.445788	1.7749E-05	0.008429348
474.959994	1210.621027	2.7322E-05	0.012976871
474.999994	2100.463208	4.74045E-05	0.022517151
475.039994	3379.385715	7.6268E-05	0.036230364
475.079994	4765.147944	0.000107543	0.05109141
475.119994	5939.225042	0.00013404	0.063685101
475.159994	6808.763349	0.000153664	0.07301513
475.199994	7310.308441	0.000164983	0.078400148
475.239994	7337.154797	0.000165589	0.078694688
475.279994	7073.304223	0.000159635	0.075871143
475.319994	6670.653216	0.000150547	0.071558166
475.359994	5949.664773	0.000134276	0.063829271
475.399994	4831.386629	0.000109038	0.051836506
475.439994	3531.040766	7.96907E-05	0.037888133
475.479994	2346.384739	5.29546E-05	0.02517887
475.519994	1434.905789	3.23838E-05	0.015399156
475.559994	914.933818	2.06488E-05	0.009819735
475.599994	728.258498	1.64358E-05	0.007816857
475.639994	650.625694	1.46837E-05	0.006984162
475.679994	556.245766	1.25537E-05	0.00597154

475.719994	481.822998	1.08741E-05	0.005173014
475.759994	393.27613	8.87569E-06	0.0042227
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475.839994	314.753709	7.10355E-06	0.003380155
475.879994	350.373792	7.90745E-06	0.003762997
475.919994	440.633552	9.94449E-06	0.004732779
475.959994	654.278613	1.47662E-05	0.0070281
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476.039994	1662.531438	3.7521E-05	0.017861506
476.079994	2441.915388	5.51106E-05	0.026237068
476.119994	3259.618562	7.35651E-05	0.035025791
476.159994	3813.753256	8.60711E-05	0.040983614
476.199994	3957.565238	8.93167E-05	0.042532629
476.239994	3910.146205	8.82466E-05	0.042026538
476.279994	3697.6019	8.34497E-05	0.039745434
476.319994	3271.180549	7.3826E-05	0.035164794
476.359994	2720.24327	6.13921E-05	0.029244741
476.399994	2110.691578	4.76354E-05	0.022693489
476.439994	1488.198356	3.35866E-05	0.016001982
476.479994	1021.439851	2.30525E-05	0.010984043
476.519994	713.404823	1.61006E-05	0.007672235
476.559994	554.332166	1.25105E-05	0.005962006
476.599994	553.568337	1.24933E-05	0.005954291
476.639994	610.508869	1.37783E-05	0.006567305
476.679994	666.32405	1.5038E-05	0.007168316
476.719994	616.505528	1.39137E-05	0.006632925
476.759994	559.345507	1.26236E-05	0.006018451
476.799994	570.107418	1.28665E-05	0.006134762
476.839994	770.703655	1.73937E-05	0.008294016
476.879994	1555.561049	3.51068E-05	0.016741753
476.919994	3772.263048	8.51347E-05	0.040602451
476.959994	8818.918127	0.000199031	0.094929681
476.999994	17766.10648	0.000400956	0.191256142
477.039994	29437.8385	0.000664371	0.316931543
477.079994	39434.37995	0.000889979	0.424591189
477.119994	43403.56743	0.000979558	0.467366736
477.159994	39318.91592	0.000887373	0.423418974
477.199994	29947.32789	0.000675869	0.322524911
477.239994	19710.86012	0.000444847	0.212298616
477.279994	11610.37242	0.00026203	0.125061645
477.319994	6268.016363	0.00014146	0.067521877
477.359994	3221.208202	7.26982E-05	0.034703204
477.399994	1634.979703	3.68992E-05	0.017615685
477.439994	869.672653	1.96273E-05	0.009370858
477.479994	551.141135	1.24385E-05	0.005939129
477.519994	424.045064	9.57011E-06	0.004569917

477.559994	419.90494	9.47667E-06	0.004525678
477.599994	494.727764	1.11653E-05	0.005332555
477.639994	551.657664	1.24501E-05	0.005946687
477.679994	550.515045	1.24244E-05	0.005934867
477.719994	539.850269	1.21837E-05	0.005820382
477.759994	503.528195	1.13639E-05	0.005429231
477.799994	439.612896	9.92145E-06	0.004740469
477.839994	406.900489	9.18318E-06	0.004388089
477.879994	524.583751	1.18391E-05	0.005657681
477.919994	1030.856916	2.3265E-05	0.011118811
477.959994	2324.211964	5.24542E-05	0.025071022
477.999994	4734.868017	0.000106859	0.051078781
478.039994	8128.444793	0.000183448	0.087695326
478.079994	11179.75435	0.000252311	0.120625073
478.119994	12735.34033	0.000287419	0.137420719
478.159994	12035.10596	0.000271616	0.129875703
478.199994	9688.310466	0.000218652	0.104559228
478.239994	6918.343522	0.000156137	0.074671138
478.279994	4586.141992	0.000103503	0.049503336
478.319994	2819.864952	6.36404E-05	0.030440487
478.359994	1633.229721	3.68597E-05	0.017632215
478.399994	950.937342	2.14613E-05	0.010267101
478.439994	591.109459	1.33405E-05	0.006382637
478.479994	429.794398	9.69986E-06	0.004641189
478.519994	435.509179	9.82884E-06	0.004703294
478.559994	523.148247	1.18067E-05	0.005650227
478.599994	608.202966	1.37263E-05	0.006569404
478.639994	711.061206	1.60477E-05	0.007681052
478.679994	777.88542	1.75558E-05	0.008403606
478.719994	795.68145	1.79574E-05	0.008596577
478.759994	813.742622	1.8365E-05	0.008792445
478.799994	945.074377	2.1329E-05	0.010212331
478.839994	1349.251761	3.04507E-05	0.014581029
478.879994	2262.507794	5.10616E-05	0.024452402
478.919994	4280.192063	9.6598E-05	0.046262701
478.959994	8363.386784	0.00018875	0.090403694
478.999994	14674.40783	0.000331181	0.158635671
479.039994	21682.76803	0.00048935	0.23441816
479.079994	26844.29157	0.000605838	0.290244995
479.119994	27532.89821	0.000621379	0.297715181
479.159994	23797.61509	0.000537079	0.257346783
479.199994	18116.07955	0.000408855	0.195923161
479.239994	12487.52726	0.000281826	0.135062337
479.279994	7926.881551	0.000178899	0.085742556
479.319994	4713.430788	0.000106376	0.050987936
479.359994	2684.84358	6.05932E-05	0.029045946

479.399994	1467.459155	3.31185E-05	0.015877013
479.439994	800.477946	1.80657E-05	0.008661406
479.479994	492.546545	1.11161E-05	0.005329943
479.519994	393.719992	8.88571E-06	0.004260876
479.559994	418.641564	9.44816E-06	0.004530958
479.599994	493.669292	1.11414E-05	0.005343429
479.639994	560.045002	1.26394E-05	0.006062379
479.679994	563.259403	1.2712E-05	0.006097683
479.719994	499.151789	1.12652E-05	0.005404123
479.759994	386.592518	8.72485E-06	0.004185836
479.799994	355.86029	8.03127E-06	0.003853404
479.839994	422.436905	9.53381E-06	0.004574705
479.879994	590.060053	1.33168E-05	0.006390482
479.919994	1034.528032	2.33479E-05	0.011205103
479.959994	2022.596646	4.56472E-05	0.021908825
479.999994	3714.323666	8.38271E-05	0.040237013
480.039994	5871.775028	0.000132518	0.063613836
480.079994	7777.875697	0.000175536	0.084271236
480.119994	8643.894892	0.000195081	0.093662129
480.159994	8222.968618	0.000185581	0.089108547
480.199994	7029.910164	0.000158655	0.076186265
480.239994	5512.36613	0.000124406	0.059744941
480.279994	4001.156696	9.03005E-05	0.04336954
480.319994	2681.719417	6.05227E-05	0.029070249
480.359994	1639.769433	3.70073E-05	0.017776832
480.399994	900.782404	2.03294E-05	0.009766246
480.439994	517.967402	1.16898E-05	0.005616249
480.479994	402.131685	9.07555E-06	0.004360621
480.519994	421.864817	9.5209E-06	0.004574983
480.559994	474.441903	1.07075E-05	0.005145593
480.599994	549.617301	1.24041E-05	0.005961409
480.639994	621.317502	1.40223E-05	0.006739664
480.679994	660.919296	1.4916E-05	0.007169836
480.719994	700.587031	1.58113E-05	0.007600795
480.759994	741.861015	1.67428E-05	0.008049254
480.799994	822.556368	1.8564E-05	0.008925548
480.839994	1016.714173	2.29458E-05	0.011033269
480.879994	1501.743371	3.38923E-05	0.016298108
480.919994	2779.55594	6.27307E-05	0.030168451
480.959994	5373.047191	0.000121262	0.058322263
480.999994	9353.127458	0.000211087	0.101532874
481.039994	14215.31405	0.00032082	0.154327173
481.079994	18470.9212	0.000416863	0.200544432
481.119994	20347.58933	0.000459217	0.22093836
481.159994	19189.71161	0.000433085	0.208383206
481.199994	15976.20903	0.000360561	0.173501847

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481.279994	9195.432023	0.000207528	0.099879119
481.319994	6393.084397	0.000144283	0.069446298
481.359994	4057.603486	9.15745E-05	0.044080281
481.399994	2287.255464	5.16202E-05	0.024849949
481.439994	1218.859872	2.7508E-05	0.013243437
481.479994	683.426301	1.5424E-05	0.007426338
481.519994	508.50634	1.14763E-05	0.005526058
481.559994	500.890694	1.13044E-05	0.005443749
481.599994	499.818478	1.12802E-05	0.005432548
481.639994	524.906655	1.18464E-05	0.005705706
481.679994	531.430789	1.19937E-05	0.005777103
481.719994	504.566743	1.13874E-05	0.005485523
481.759994	442.706871	9.99128E-06	0.004813398
481.799994	399.108958	9.00733E-06	0.004339733
481.839994	407.11865	9.1881E-06	0.004427194
481.879994	509.695938	1.15031E-05	0.005543127
481.919994	822.416746	1.85608E-05	0.008944821
481.959994	1597.372977	3.60505E-05	0.017374891
481.999994	2981.137458	6.72801E-05	0.032429017
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482.079994	6476.192038	0.000146159	0.070460153
482.119994	7325.627127	0.000165329	0.079708513
482.159994	7198.663387	0.000162464	0.078333548
482.199994	6413.090503	0.000144735	0.069790985
482.239994	5348.713097	0.000120713	0.058212639
482.279994	4157.627211	9.38319E-05	0.045253226
482.319994	2858.668452	6.45162E-05	0.031117436
482.359994	1732.689137	3.91044E-05	0.018862389
482.399994	985.297061	2.22368E-05	0.010727024
482.439994	591.511906	1.33496E-05	0.006440381
482.479994	441.207632	9.95744E-06	0.004804266
482.519994	431.374489	9.73552E-06	0.004697584
482.559994	505.191832	1.14015E-05	0.005501896
482.599994	596.124487	1.34537E-05	0.006492755
482.639994	621.498244	1.40263E-05	0.006769677
482.679994	590.860654	1.33349E-05	0.00643649
482.719994	525.005256	1.18486E-05	0.005719574
482.759994	436.166373	9.84367E-06	0.004752129
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482.839994	339.386682	7.65948E-06	0.003698306
482.879994	379.163663	8.5572E-06	0.004132099
482.919994	585.56172	1.32153E-05	0.006381939
482.959994	1124.93278	2.53882E-05	0.012261468
482.999994	2027.024808	4.57471E-05	0.022095862
483.039994	3187.052871	7.19273E-05	0.034743784

483.079994	4434.274327	0.000100075	0.048344421
483.119994	5450.508698	0.00012301	0.059428779
483.159994	5888.818273	0.000132902	0.064213135
483.199994	5636.216219	0.000127202	0.061463788
483.239994	4909.999977	0.000110812	0.053548723
483.279994	3875.680512	8.74687E-05	0.042271878
483.319994	2715.228526	6.12789E-05	0.02961733
483.359994	1661.49116	3.74975E-05	0.018124811
483.399994	908.9634	2.0514E-05	0.009916486
483.439994	520.878431	1.17555E-05	0.005683079
483.479994	386.884548	8.73145E-06	0.004221479
483.519994	397.201144	8.96428E-06	0.004334407
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483.599994	508.205086	1.14695E-05	0.005546641
483.639994	526.132449	1.18741E-05	0.005742778
483.679994	483.907786	1.09211E-05	0.00528233
483.719994	442.094773	9.97746E-06	0.004826298
483.759994	436.884892	9.85988E-06	0.004769817
483.799994	421.281165	9.50773E-06	0.004599839
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483.959994	590.225747	1.33206E-05	0.006446624
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484.079994	2532.351173	5.71516E-05	0.027665965
484.119994	3193.057943	7.20629E-05	0.034887076
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484.199994	3760.39123	8.48668E-05	0.0410925
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484.279994	2830.851242	6.38884E-05	0.030939859
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484.359994	1332.482959	3.00723E-05	0.014565811
484.399994	779.92333	1.76018E-05	0.008526304
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484.519994	397.339172	8.96739E-06	0.004344881
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484.959994	1185.158098	2.67474E-05	0.012971403
484.999994	2183.685954	4.92828E-05	0.023902134
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485.239994	5299.142245	0.000119594	0.058031918
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486.119994	3178.784177	7.17407E-05	0.034874604
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486.599994	551.293625	1.24419E-05	0.006054243
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486.839994	529.454267	1.1949E-05	0.005817273
486.879994	747.392969	1.68676E-05	0.008212506
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487.759994	514.903675	1.16207E-05	0.005668092
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488.319994	3108.503749	7.01546E-05	0.034257894
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488.399994	1257.904774	2.83892E-05	0.013865265
488.439994	746.706132	1.68521E-05	0.008231248
488.479994	510.229652	1.15152E-05	0.005624931
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489.879994	368.777605	8.3228E-06	0.004077172
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490.079994	2432.051973	5.4888E-05	0.026899523
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490.199994	4395.033265	9.91898E-05	0.048622829
490.239994	4361.917329	9.84424E-05	0.048260401
490.279994	3890.520094	8.78036E-05	0.043048358
490.319994	3135.101387	7.07549E-05	0.034692528
490.359994	2273.653778	5.13132E-05	0.02516194
490.399994	1465.006064	3.30631E-05	0.016214167

490.439994	871.32196	1.96645E-05	0.009644269
490.479994	550.25307	1.24184E-05	0.006090999
490.519994	438.265833	9.89105E-06	0.004851757
490.559994	432.055867	9.7509E-06	0.004783401
490.599994	467.547951	1.05519E-05	0.005176765
490.639994	477.327824	1.07726E-05	0.00528548
490.679994	466.916839	1.05377E-05	0.00517062
490.719994	439.500565	9.91892E-06	0.00486741
490.759994	386.663247	8.72645E-06	0.004282593
490.799994	359.73146	8.11864E-06	0.003984627
490.839993	384.696034	8.68205E-06	0.004261499
490.879993	450.294778	1.01625E-05	0.004988581
490.919993	650.509861	1.46811E-05	0.007207246
490.959993	1222.691808	2.75945E-05	0.013547771
490.999993	2284.935023	5.15678E-05	0.02531979
491.039993	3776.731225	8.52356E-05	0.04185407
491.079993	5335.025867	0.000120404	0.059128046
491.119993	6576.559479	0.000148424	0.072893889
491.159993	7312.197412	0.000165026	0.081054223
491.199993	7404.440718	0.000167108	0.082083406
491.239993	6785.034795	0.000153129	0.075222983
491.279993	5610.579458	0.000126623	0.062207329
491.319993	4126.670336	9.31332E-05	0.045758204
491.359993	2692.896486	6.07749E-05	0.029862366
491.399993	1567.655073	3.53798E-05	0.017385629
491.439993	856.45314	1.9329E-05	0.009499021
491.479993	496.192151	1.11984E-05	0.005503773
491.519993	384.507973	8.67781E-06	0.004265317
491.559993	417.184146	9.41527E-06	0.004628168
491.599993	517.815788	1.16864E-05	0.005745025
491.639993	610.050394	1.3768E-05	0.006768893
491.679993	665.433545	1.50179E-05	0.007384005
491.719993	661.999513	1.49404E-05	0.007346497
491.759993	618.098583	1.39496E-05	0.006859867
491.799993	548.203483	1.23722E-05	0.006084642
491.839993	433.161985	9.77586E-06	0.00480816
491.879993	355.284446	8.01828E-06	0.003944029
491.919993	393.025392	8.87004E-06	0.004363348
491.959993	579.994102	1.30897E-05	0.006439589
491.999993	980.814278	2.21356E-05	0.010890721
492.039993	1672.564765	3.77475E-05	0.018573259
492.079993	2514.634264	5.67518E-05	0.027926422
492.119993	3353.829913	7.56913E-05	0.037249187
492.159993	3932.114406	8.87423E-05	0.043675432
492.199993	4060.231873	9.16338E-05	0.045102145
492.239993	3733.607767	8.42623E-05	0.041477287

492.279993	3065.418633	6.91822E-05	0.034057027
492.319993	2290.820213	5.17006E-05	0.02545325
492.359993	1551.885375	3.50239E-05	0.017244363
492.399993	931.009003	2.10116E-05	0.0103461
492.439993	530.66791	1.19764E-05	0.005897676
492.479993	353.221187	7.97171E-06	0.003925908
492.519993	344.323941	7.77091E-06	0.003827329
492.559993	431.157956	9.73063E-06	0.004792921
492.599993	532.230512	1.20117E-05	0.005916964
492.639993	581.870803	1.3132E-05	0.006469355
492.679993	598.941411	1.35173E-05	0.00665969
492.719993	586.036911	1.3226E-05	0.006516733
492.759993	527.889203	1.19137E-05	0.005870607
492.799993	507.619306	1.14563E-05	0.005645645
492.839993	525.089236	1.18505E-05	0.005840416
492.879993	604.223428	1.36365E-05	0.006721149
492.919993	845.140407	1.90736E-05	0.009401779
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493.079993	5967.983145	0.000134689	0.066412484
493.119993	7257.974079	0.000163802	0.080774221
493.159993	7617.309742	0.000171912	0.084780156
493.199993	7236.930694	0.000163327	0.080553095
493.239993	6283.648993	0.000141813	0.069947944
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493.319993	3619.452265	8.1686E-05	0.040297335
493.359993	2363.938279	5.33508E-05	0.026321147
493.399993	1375.047101	3.10329E-05	0.015311632
493.439993	758.005576	1.71071E-05	0.008441342
493.479993	461.609583	1.04179E-05	0.005141018
493.519993	376.949143	8.50722E-06	0.004198482
493.559993	394.819342	8.91052E-06	0.004397877
493.599993	459.009352	1.03592E-05	0.005113302
493.639993	512.618308	1.15691E-05	0.005710961
493.679993	499.502889	1.12731E-05	0.005565296
493.719993	414.621583	9.35743E-06	0.004619951
493.759993	366.973564	8.28208E-06	0.004089361
493.799993	335.504388	7.57187E-06	0.003738988
493.839993	290.263021	6.55083E-06	0.003235063
493.879993	300.271732	6.77671E-06	0.003346884
493.919993	407.239983	9.19084E-06	0.004539539
493.959993	637.271789	1.43823E-05	0.007104299
493.999993	1118.165669	2.52354E-05	0.012466308
494.039993	1858.1015	4.19348E-05	0.02071745
494.079993	2731.635544	6.16492E-05	0.030459641

494.119993	3553.95695	8.02079E-05	0.039632306
494.159993	4090.298456	9.23123E-05	0.045617065
494.199993	4289.265545	9.68027E-05	0.047839918
494.239993	4112.623704	9.28162E-05	0.045873472
494.279993	3544.999641	8.00057E-05	0.039545219
494.319993	2661.987797	6.00774E-05	0.029697439
494.359993	1747.567896	3.94402E-05	0.019497644
494.399993	1048.854883	2.36712E-05	0.011703038
494.439993	635.250352	1.43367E-05	0.007088646
494.479993	423.322353	9.5538E-06	0.004724161
494.519993	361.909802	8.1678E-06	0.00403914
494.559993	390.947103	8.82313E-06	0.004363568
494.599993	438.701937	9.90089E-06	0.004896981
494.639993	493.675917	1.11416E-05	0.00551107
494.679993	558.557218	1.26059E-05	0.006235866
494.719993	610.088415	1.37688E-05	0.006811723
494.759993	611.850982	1.38086E-05	0.006831955
494.799993	601.638035	1.35781E-05	0.00671846
494.839993	585.61362	1.32165E-05	0.006540045
494.879993	647.30212	1.46087E-05	0.007229557
494.919993	959.090437	2.16453E-05	0.010712709
494.959993	1737.607483	3.92154E-05	0.019410045
494.999993	3081.027824	6.95345E-05	0.03441958
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496.239993	4649.634223	0.000104936	0.052073325
496.279993	4587.396913	0.000103531	0.051380443
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497.279993	5020.571688	0.000113307	0.056345458
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497.479993	720.874355	1.62691E-05	0.008093567
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498.359993	2292.087257	5.17292E-05	0.025779772
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498.879993	380.865361	8.5956E-06	0.004288173
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499.199993	6580.457477	0.000148512	0.074137069
499.239993	5676.288242	0.000128106	0.063955598
499.279993	4324.585945	9.75999E-05	0.048729668
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499.399993	1013.441546	2.2872E-05	0.011422259
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499.479993	371.651135	8.38765E-06	0.004189463
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499.559993	380.527455	8.58797E-06	0.004290209
499.599993	475.026164	1.07207E-05	0.005356051

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501.559993	359.362952	8.11032E-06	0.004067813
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501.679993	481.764727	1.08728E-05	0.005454646
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501.879993	275.438718	6.21627E-06	0.003119821
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501.999993	1103.199041	2.48977E-05	0.012498628
502.039993	1763.298293	3.97952E-05	0.019978775
502.079993	2532.932809	5.71648E-05	0.028701285
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502.199993	3823.784084	8.62975E-05	0.043338594
502.239993	3662.863401	8.26657E-05	0.041518033
502.279993	3172.78897	7.16054E-05	0.035965974
502.319993	2463.728607	5.56029E-05	0.02793046
502.359993	1689.584641	3.81316E-05	0.019155776
502.399993	1038.546436	2.34385E-05	0.011775526
502.439993	620.7209	1.40088E-05	0.007038584
502.479993	417.960695	9.43279E-06	0.004739789
502.519993	373.354318	8.42609E-06	0.004234277
502.559993	414.744912	9.36021E-06	0.00470407
502.599993	471.944324	1.06511E-05	0.005353256
502.639993	520.610916	1.17495E-05	0.00590575
502.679993	549.032083	1.23909E-05	0.006228652
502.719993	550.80042	1.24308E-05	0.006249211
502.759993	521.075051	1.17599E-05	0.005912426
502.799993	500.704131	1.13002E-05	0.005681738
502.839993	550.396814	1.24217E-05	0.006246122
502.879993	810.904248	1.8301E-05	0.009203196
502.919993	1558.804551	3.518E-05	0.017692749
502.959993	2953.715826	6.66613E-05	0.033527943
502.999993	4895.663571	0.000110488	0.055575618
503.039993	6967.85376	0.000157255	0.07910543
503.079993	8505.191828	0.00019195	0.096566372
503.119993	9214.449603	0.000207957	0.104627472
503.159993	9022.158108	0.000203618	0.102452201
503.199993	8276.636909	0.000186792	0.093993817
503.239993	7129.760017	0.000160909	0.08097572
503.279993	5728.993418	0.000129295	0.065071789

503.319993	4274.220485	9.64632E-05	0.048551859
503.359993	2885.701376	6.51263E-05	0.032781954
503.399993	1744.133939	3.93627E-05	0.01981517
503.439993	988.173608	2.23017E-05	0.011227569
503.479993	615.009515	1.38799E-05	0.006988256
503.519993	470.48825	1.06183E-05	0.005346508
503.559993	477.064786	1.07667E-05	0.005421673
503.599993	525.905	1.18689E-05	0.0059772
503.639993	542.513073	1.22438E-05	0.006166449
503.679993	528.864277	1.19357E-05	0.006011788
503.719993	469.751756	1.06016E-05	0.005340259
503.759993	391.830869	8.84308E-06	0.004454788
503.799993	325.320759	7.34204E-06	0.003698918
503.839993	304.332622	6.86836E-06	0.003460556
503.879993	347.584302	7.84449E-06	0.003952683
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503.959993	858.373168	1.93723E-05	0.009762858
503.999993	1556.10156	3.5119E-05	0.017699998
504.039993	2467.487613	5.56878E-05	0.028068857
504.079993	3420.699779	7.72004E-05	0.038915192
504.119993	4253.563575	9.5997E-05	0.04839401
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504.199993	4794.794964	0.000108212	0.054560411
504.239993	4447.048344	0.000100364	0.050607385
504.279993	3865.821537	8.72462E-05	0.043996517
504.319993	3002.2159	6.77558E-05	0.03417062
504.359993	2032.917763	4.58801E-05	0.023140098
504.399993	1232.225128	2.78096E-05	0.014027164
504.439993	720.549931	1.62618E-05	0.008203106
504.479993	460.156779	1.03851E-05	0.005239074
504.519993	395.519045	8.92631E-06	0.004503504
504.559993	441.61203	9.96657E-06	0.005028732
504.599993	504.320643	1.13818E-05	0.005743263
504.639993	549.095886	1.23923E-05	0.006253665
504.679993	544.57561	1.22903E-05	0.006202675
504.719993	496.116622	1.11967E-05	0.005651179
504.759993	454.719246	1.02624E-05	0.005180039
504.799993	434.736832	9.8114E-06	0.004952797
504.839993	440.442227	9.94017E-06	0.005018194
504.879993	527.266926	1.18997E-05	0.00600791
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504.959993	1359.473231	3.06814E-05	0.015492888
504.999993	2360.500432	5.32732E-05	0.026902969
505.039993	3678.998232	8.30299E-05	0.041933403
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505.239993	5724.67555	0.000129198	0.065275973
505.279993	4566.893006	0.000103068	0.052078407
505.319993	3365.837284	7.59623E-05	0.038385248
505.359993	2270.330156	5.12382E-05	0.025893731
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505.439993	782.019399	1.76491E-05	0.008920555
505.479993	485.213254	1.09506E-05	0.005535303
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505.559993	438.383003	9.89369E-06	0.005001856
505.599993	478.57348	1.08007E-05	0.005460852
505.639993	484.404663	1.09323E-05	0.005527828
505.679993	467.290001	1.05461E-05	0.005332944
505.719993	447.813845	1.01065E-05	0.005111077
505.759993	388.394369	8.76552E-06	0.004433249
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505.959993	596.547506	1.34632E-05	0.006811864
505.999993	968.509857	2.18579E-05	0.011060107
506.039993	1574.510661	3.55345E-05	0.017981884
506.079993	2365.188252	5.3379E-05	0.027014046
506.119993	3101.684876	7.00007E-05	0.035428758
506.159993	3590.836891	8.10402E-05	0.0410193
506.199993	3714.350463	8.38277E-05	0.042433589
506.239993	3386.994389	7.64397E-05	0.038696856
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506.359993	1381.80932	3.11855E-05	0.015791095
506.399993	854.958331	1.92952E-05	0.009771099
506.439993	500.588769	1.12976E-05	0.005721552
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506.679993	530.345331	1.19692E-05	0.006064532
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506.799993	467.443294	1.05495E-05	0.005346509
506.839993	479.360526	1.08185E-05	0.005483248
506.879993	513.103303	1.158E-05	0.005869684
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511.879993	266.23963	6.00866E-06	0.003075712
511.919993	348.908484	7.87438E-06	0.004031052
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512.079993	2586.696203	5.83781E-05	0.029894273
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513.679993	511.68961	1.15481E-05	0.005932039
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514.239993	6082.056229	0.000137264	0.070586401
514.279993	5182.266159	0.000116957	0.060148403
514.319993	3852.433591	8.69441E-05	0.044717068

514.359993	2533.240915	5.71717E-05	0.029406845
514.399993	1483.607331	3.3483E-05	0.01722363
514.439993	829.379758	1.87179E-05	0.00962926
514.479993	505.349285	1.1405E-05	0.005867659
514.519993	411.851067	9.2949E-06	0.004782414
514.559993	429.978644	9.70402E-06	0.0049933
514.599993	468.368233	1.05704E-05	0.005439537
514.639993	496.080165	1.11958E-05	0.005761826
514.679993	507.600741	1.14558E-05	0.005896093
514.719993	486.876646	1.09881E-05	0.005655809
514.759993	447.55014	1.01006E-05	0.005199376
514.799993	413.460487	9.33123E-06	0.004803716
514.839993	429.309834	9.68892E-06	0.004988246
514.879993	493.734189	1.11429E-05	0.005737253
514.919993	737.080895	1.66349E-05	0.008565637
514.959993	1352.174547	3.05167E-05	0.015714878
514.999993	2394.408961	5.40385E-05	0.027829814
515.039993	3936.836436	8.88489E-05	0.045760744
515.079993	5655.590233	0.000127639	0.065744189
515.119993	7013.493197	0.000158285	0.081535651
515.159993	7484.038673	0.000168904	0.087012753
515.199993	7053.200764	0.000159181	0.082010007
515.239993	6002.290072	0.000135463	0.069796123
515.279993	4666.396707	0.000105314	0.054266235
515.319993	3334.659134	7.52586E-05	0.038782267
515.359993	2120.399879	4.78545E-05	0.02466228
515.399993	1206.123738	2.72205E-05	0.014029462
515.439993	657.974909	1.48496E-05	0.007654066
515.479993	420.725915	9.4952E-06	0.004894585
515.519993	408.196199	9.21242E-06	0.004749187
515.559993	540.593292	1.22004E-05	0.006290058
515.599993	730.253813	1.64808E-05	0.008497506
515.639993	840.898651	1.89779E-05	0.00978577
515.679993	796.150161	1.7968E-05	0.009265738
515.719993	657.414546	1.48369E-05	0.007651702
515.759993	515.522629	1.16346E-05	0.006000675
515.799993	398.626804	8.99645E-06	0.00464037
515.839993	361.38504	8.15596E-06	0.004207169
515.879993	453.752586	1.02406E-05	0.005282902
515.919993	657.581956	1.48407E-05	0.007656618
515.959993	979.077226	2.20964E-05	0.011400863
515.999993	1622.156293	3.66098E-05	0.018890661
516.039993	2821.884812	6.3686E-05	0.032864528
516.079993	4799.53647	0.000108319	0.055901193
516.119993	7668.239522	0.000173061	0.089320492
516.159993	11344.73595	0.000256035	0.132154966

516.199993	14960.76169	0.000337644	0.1742916
516.239993	17084.64836	0.000385577	0.199050121
516.279993	16540.79111	0.000373303	0.192728672
516.319993	13427.96959	0.000303051	0.156471068
516.359993	9085.570699	0.000205049	0.105878933
516.399993	5189.689682	0.000117124	0.060482868
516.439993	2590.394813	5.84616E-05	0.03019191
516.479993	1232.254679	2.78103E-05	0.014363449
516.519993	673.174256	1.51926E-05	0.007847284
516.559993	555.915676	1.25462E-05	0.006480887
516.599993	571.419634	1.28961E-05	0.006662149
516.639993	576.974959	1.30215E-05	0.006727439
516.679993	573.10124	1.29341E-05	0.006682789
516.719993	517.291987	1.16746E-05	0.006032478
516.759993	440.87694	9.94998E-06	0.005141751
516.799993	426.173223	9.61814E-06	0.004970653
516.839993	429.37811	9.69047E-06	0.00500842
516.879993	479.049723	1.08115E-05	0.00558824
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516.959993	1307.055369	2.94984E-05	0.015249503
516.999993	2401.28942	5.41938E-05	0.028018172
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517.079993	5636.900047	0.000127217	0.065781356
517.119993	7133.134585	0.000160985	0.083248517
517.159993	8294.442248	0.000187194	0.096809252
517.199993	8905.434115	0.000200983	0.103948532
517.239993	8838.538741	0.000199474	0.103175676
517.279993	7939.309588	0.000179179	0.092685794
517.319993	6153.697311	0.00013888	0.071845596
517.359993	4094.790065	9.24137E-05	0.047811155
517.399993	2374.867141	5.35974E-05	0.027731317
517.439993	1236.635519	2.79091E-05	0.014441306
517.479993	665.564202	1.50209E-05	0.007772993
517.519993	478.649768	1.08025E-05	0.005590488
517.559993	446.253356	1.00713E-05	0.005212511
517.599993	474.378588	1.07061E-05	0.005541459
517.639993	510.789551	1.15278E-05	0.005967255
517.679993	491.856198	1.11005E-05	0.005746512
517.719993	413.053223	9.32204E-06	0.004826204
517.759993	353.908822	7.98723E-06	0.004135468
517.799993	329.117864	7.42773E-06	0.003846079
517.839993	297.064029	6.70432E-06	0.003471766
517.879993	279.646334	6.31123E-06	0.003268459
517.919993	364.253857	8.2207E-06	0.004257666
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518.039993	1732.381358	3.90974E-05	0.020254035
518.079993	2528.274037	5.70596E-05	0.029561449
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518.199993	4328.825092	9.76956E-05	0.050625835
518.239993	4163.027818	9.39537E-05	0.048690585
518.279993	3592.477186	8.10772E-05	0.042020694
518.319993	2764.267745	6.23857E-05	0.032335741
518.359993	1861.008244	4.20004E-05	0.021771308
518.399993	1102.319005	2.48778E-05	0.012896654
518.439993	629.009063	1.41959E-05	0.007359701
518.479993	409.148989	9.23392E-06	0.004787604
518.519993	353.660442	7.98162E-06	0.004138631
518.559993	403.597038	9.10862E-06	0.004723367
518.599993	477.433906	1.0775E-05	0.005587924
518.639993	538.888047	1.2162E-05	0.006307675
518.679993	571.788897	1.29045E-05	0.006693295
518.719993	566.355403	1.27819E-05	0.006630202
518.759993	531.634887	1.19983E-05	0.006224217
518.799993	527.788486	1.19115E-05	0.006179661
518.839993	657.735209	1.48442E-05	0.007701748
518.879993	1115.299994	2.51708E-05	0.013060608
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519.159993	15637.07486	0.000352907	0.183215195
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519.479993	494.455209	1.11592E-05	0.005796963
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520.079993	5381.666577	0.000121457	0.063167209
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520.199993	5546.515766	0.000125177	0.065117145
520.239993	4744.724931	0.000107082	0.055708252
520.279993	3862.96552	8.71818E-05	0.045358921
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520.439993	1078.495294	2.43401E-05	0.012667581
520.479993	715.084174	1.61385E-05	0.008399742
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520.759993	549.682199	1.24056E-05	0.00646032
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521.999993	1402.723004	3.16575E-05	0.016525217
522.039993	2121.439778	4.78779E-05	0.0249942
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522.119993	3761.187826	8.48848E-05	0.044320036
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522.239993	4057.993705	9.15833E-05	0.047828444
522.279993	3322.506817	7.49844E-05	0.039162826
522.319993	2500.289505	5.64281E-05	0.029473499
522.359993	1746.550193	3.94172E-05	0.020589971
522.399993	1171.521126	2.64396E-05	0.013812047
522.439993	775.192893	1.7495E-05	0.0091401
522.479993	516.443868	1.16554E-05	0.006089723
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523.479993	497.572087	1.12295E-05	0.005878423
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523.839993	284.070323	6.41107E-06	0.003358376
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524.119993	2995.509961	6.76045E-05	0.035432863
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524.199993	3620.167624	8.17021E-05	0.042828262
524.239993	3412.114305	7.70067E-05	0.040369975
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524.679993	519.516596	1.17248E-05	0.00615175
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525.199993	4697.969603	0.000106027	0.055685185
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525.279993	3615.014639	8.15858E-05	0.042855412
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525.679993	450.264535	1.01618E-05	0.005341878
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525.759993	383.944452	8.66509E-06	0.004555758
525.799993	330.005554	7.44777E-06	0.003916035
525.839993	297.186181	6.70708E-06	0.00352685
525.879993	309.687078	6.98921E-06	0.003675484
525.919993	398.459985	8.99269E-06	0.004729434
525.959993	574.462153	1.29648E-05	0.006818972
525.999993	850.936428	1.92044E-05	0.010101541
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526.079993	1989.861743	4.49084E-05	0.023625415
526.119993	2650.730611	5.98233E-05	0.031474233
526.159993	3204.313246	7.23169E-05	0.038050253
526.199993	3379.838965	7.62783E-05	0.040137619
526.239993	3116.706744	7.03397E-05	0.037015579
526.279993	2596.863923	5.86076E-05	0.030844008
526.319993	1928.435689	4.35221E-05	0.022906555
526.359993	1248.638028	2.818E-05	0.014832836
526.399993	750.103288	1.69288E-05	0.008911313
526.439993	475.378068	1.07286E-05	0.005647975
526.479993	343.236452	7.74637E-06	0.004078308
526.519993	334.204416	7.54253E-06	0.003971292
526.559993	397.767166	8.97705E-06	0.004726956
526.599993	460.805152	1.03997E-05	0.005476498
526.639993	518.537381	1.17027E-05	0.006163092
526.679993	507.567425	1.14551E-05	0.006033167
526.719993	470.126461	1.06101E-05	0.005588551
526.759993	419.259755	9.46211E-06	0.00498426
526.799993	362.072906	8.17148E-06	0.004304736
526.839993	347.022776	7.83182E-06	0.004126116
526.879993	385.253798	8.69464E-06	0.004581033
526.919993	526.96723	1.18929E-05	0.006266615
526.959993	874.367605	1.97333E-05	0.010398638
526.999993	1573.807849	3.55187E-05	0.018718329
527.039993	2632.202009	5.94051E-05	0.031308881
527.079993	3906.027976	8.81536E-05	0.046464005
527.119993	5138.258848	0.000115963	0.061126598
527.159993	5979.650332	0.000134952	0.071141495
527.199993	6117.633433	0.000138066	0.07278864

527.239993	5460.775649	0.000123242	0.064978164
527.279993	4328.349082	9.76848E-05	0.051507246
527.319993	3075.467161	6.9409E-05	0.036600759
527.359993	1939.346914	4.37684E-05	0.023081681
527.399993	1098.41131	2.47896E-05	0.013074042
527.439993	622.574672	1.40506E-05	0.007410871
527.479993	395.411748	8.92389E-06	0.004707175
527.519993	299.414283	6.75736E-06	0.003564644
527.559993	310.784007	7.01396E-06	0.003700286
527.599993	426.338864	9.62187E-06	0.005076501
527.639993	518.803098	1.17087E-05	0.006177959
527.679993	505.204383	1.14018E-05	0.00601648
527.719993	436.144217	9.84317E-06	0.005194436
527.759993	369.316492	8.33496E-06	0.004398858
527.799993	321.046174	7.24556E-06	0.003824209
527.839993	273.697888	6.17698E-06	0.003260457
527.879993	275.119686	6.20907E-06	0.003277643
527.919993	323.824174	7.30826E-06	0.003858177
527.959993	491.173901	1.10851E-05	0.005852495
527.999993	835.763945	1.8862E-05	0.009959151
528.039993	1441.949999	3.25428E-05	0.017183901
528.079993	2241.665551	5.05913E-05	0.026716237
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528.199993	4384.791619	9.89586E-05	0.052269953
528.239993	4237.015805	9.56235E-05	0.050512181
528.279993	3544.064585	7.99846E-05	0.042254265
528.319993	2597.160478	5.86143E-05	0.030967104
528.359993	1657.531701	3.74082E-05	0.019764987
528.399993	949.497939	2.14288E-05	0.011323002
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528.479993	373.92562	8.43898E-06	0.004459832
528.519993	310.924454	7.01713E-06	0.003708694
528.559993	356.057387	8.03572E-06	0.00424736
528.599993	450.881153	1.01758E-05	0.005378906
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528.679993	541.027524	1.22102E-05	0.006455308
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528.999993	1257.379918	2.83773E-05	0.015011599
529.039993	2163.20053	4.88204E-05	0.025827956

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529.319993	3075.969479	6.94203E-05	0.036745577
529.359993	2034.169959	4.59084E-05	0.024302061
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529.439993	691.26115	1.56008E-05	0.008259688
529.479993	429.320455	9.68916E-06	0.005130219
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529.559993	406.208705	9.16756E-06	0.004854775
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529.639993	508.799559	1.14829E-05	0.006081802
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529.759993	346.534165	7.82079E-06	0.004143143
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529.839993	343.748006	7.75791E-06	0.004110453
529.879993	377.227255	8.51349E-06	0.00451113
529.919993	451.105048	1.01808E-05	0.005395016
529.959993	661.033646	1.49186E-05	0.007906266
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530.199993	7870.032626	0.000177616	0.094171829
530.239993	8265.256957	0.000186535	0.098908496
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530.679993	518.427112	1.17002E-05	0.00620905
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531.039993	2535.040682	5.72123E-05	0.030382039
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531.439993	848.684065	1.91536E-05	0.010178998
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536.359992	1370.075819	3.09207E-05	0.016584628
536.399992	860.240783	1.94144E-05	0.010413903

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537.679992	488.217248	1.10184E-05	0.005924364
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537.879992	311.863095	7.03832E-06	0.003785769
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537.999992	1226.196289	2.76735E-05	0.014888366
538.039992	1942.010478	4.38285E-05	0.02358147
538.079992	2821.990017	6.36884E-05	0.034269445
538.119992	3555.432902	8.02412E-05	0.043179377
538.159992	4043.111934	9.12474E-05	0.049105703
538.199992	4215.380421	9.51353E-05	0.051201799
538.239992	4097.60129	9.24772E-05	0.049774902

538.279992	3651.660533	8.24129E-05	0.044361211
538.319992	2903.155009	6.55202E-05	0.035270815
538.359992	2078.938691	4.69188E-05	0.025259178
538.399992	1327.601247	2.99621E-05	0.0161316
538.439992	789.482146	1.78175E-05	0.009593661
538.479992	481.15612	1.0859E-05	0.005847367
538.519992	379.49109	8.56459E-06	0.0046122
538.559992	389.272723	8.78534E-06	0.004731434
538.599992	441.93284	9.97381E-06	0.005371893
538.639992	500.117428	1.1287E-05	0.006079605
538.679992	509.762539	1.15046E-05	0.006197314
538.719992	480.347414	1.08408E-05	0.005840141
538.759992	443.569098	1.00107E-05	0.005393384
538.799992	395.234046	8.91988E-06	0.004806032
538.839992	388.545715	8.76894E-06	0.004725053
538.879992	423.620059	9.56051E-06	0.00515197
538.919992	561.364743	1.26692E-05	0.006827696
538.959992	906.442503	2.04571E-05	0.011025583
538.999992	1500.880481	3.38728E-05	0.018257429
539.039992	2300.298837	5.19145E-05	0.027984014
539.079992	3234.578502	7.29999E-05	0.039352802
539.119992	4026.422445	9.08707E-05	0.048990236
539.159992	4495.36686	0.000101454	0.054700029
539.199992	4579.794512	0.00010336	0.055731486
539.239992	4186.783731	9.44899E-05	0.050952721
539.279992	3472.324784	7.83655E-05	0.042260964
539.319992	2565.611989	5.79023E-05	0.031227862
539.359992	1744.652768	3.93744E-05	0.021236967
539.399992	1118.295978	2.52384E-05	0.013613583
539.439992	672.723868	1.51824E-05	0.008190016
539.479992	416.17	9.39238E-06	0.005067
539.519992	335.434815	7.5703E-06	0.004084326
539.559992	363.547291	8.20476E-06	0.004426958
539.599992	418.089138	9.43569E-06	0.005091498
539.639992	461.000951	1.04041E-05	0.005614495
539.679992	470.014264	1.06076E-05	0.005724692
539.719992	448.069655	1.01123E-05	0.005457815
539.759992	412.085334	9.30019E-06	0.005019872
539.799992	353.638459	7.98113E-06	0.004308213
539.839992	305.105895	6.88582E-06	0.003717238
539.879992	310.011128	6.99652E-06	0.003777281
539.919992	396.270872	8.94328E-06	0.004828657
539.959992	577.514885	1.30337E-05	0.00703768
539.999992	883.290968	1.99346E-05	0.010764709
540.039992	1384.399922	3.1244E-05	0.016872998
540.079992	2043.607669	4.61214E-05	0.024909234

540.119992	2697.81989	6.0886E-05	0.032885766
540.159992	3066.682827	6.92108E-05	0.037384883
540.199992	3064.719072	6.91664E-05	0.037363711
540.239992	2801.764377	6.32319E-05	0.034160412
540.279992	2356.394759	5.31805E-05	0.028732386
540.319992	1804.413467	4.07231E-05	0.022003504
540.359992	1211.9963	2.73531E-05	0.014780504
540.399992	757.530941	1.70964E-05	0.009238904
540.439992	494.755899	1.1166E-05	0.006034527
540.479992	364.44827	8.22509E-06	0.004445496
540.519992	338.172345	7.63208E-06	0.004125291
540.559992	390.426344	8.81138E-06	0.004763079
540.599992	442.585641	9.98854E-06	0.005399805
540.639992	474.510712	1.0709E-05	0.005789738
540.679992	479.410522	1.08196E-05	0.005849956
540.719992	449.483183	1.01442E-05	0.005485177
540.759992	387.272182	8.74019E-06	0.004726347
540.799992	317.822278	7.17281E-06	0.003879053
540.839992	290.718447	6.56111E-06	0.003548511
540.879992	311.997034	7.04134E-06	0.003808519
540.919992	401.329034	9.05744E-06	0.004899349
540.959992	671.502617	1.51549E-05	0.008198183
540.999992	1175.244966	2.65236E-05	0.01434929
541.039992	1904.518428	4.29823E-05	0.023255158
541.079992	2764.966953	6.24015E-05	0.033764178
541.119992	3465.494581	7.82114E-05	0.042321744
541.159992	3980.973995	8.9845E-05	0.04862054
541.199992	4185.784372	9.44673E-05	0.051125714
541.239992	3894.575507	8.78951E-05	0.047572367
541.279992	3273.870156	7.38867E-05	0.039993387
541.319992	2434.958907	5.49536E-05	0.029747499
541.359992	1612.560267	3.63932E-05	0.019701844
541.399992	968.132617	2.18494E-05	0.011829268
541.439992	545.292899	1.23065E-05	0.006663232
541.479992	335.213766	7.56531E-06	0.004096463
541.519992	286.779751	6.47222E-06	0.003504836
541.559992	325.651779	7.34951E-06	0.003980199
541.599992	406.579156	9.17593E-06	0.004969681
541.639992	486.661413	1.09833E-05	0.005948978
541.679992	497.290664	1.12232E-05	0.00607936
541.719992	450.781294	1.01735E-05	0.005511192
541.759992	395.264796	8.92058E-06	0.004832811
541.799992	353.895242	7.98692E-06	0.004327315
541.839992	311.941015	7.04007E-06	0.003814594
541.879992	327.445109	7.38998E-06	0.004004482
541.919992	404.780278	9.13533E-06	0.004950616

541.959992	546.084971	1.23244E-05	0.006679319
541.999992	854.480702	1.92844E-05	0.010452166
542.039992	1336.139562	3.01548E-05	0.016345112
542.079992	1974.732028	4.4567E-05	0.024158853
542.119992	2688.828033	6.06831E-05	0.032897524
542.159992	3180.465941	7.17787E-05	0.038915532
542.199992	3319.192779	7.49096E-05	0.040615962
542.239992	3150.744706	7.11079E-05	0.038557558
542.279992	2684.716105	6.05903E-05	0.032856909
542.319992	2046.082901	4.61772E-05	0.025042841
542.359992	1415.008712	3.19348E-05	0.017320145
542.399992	905.751427	2.04415E-05	0.011087496
542.439992	564.48098	1.27395E-05	0.006910441
542.479992	400.265061	9.03342E-06	0.004900452
542.519992	357.116224	8.05962E-06	0.004372503
542.559992	391.085773	8.82626E-06	0.004788776
542.599992	449.612368	1.01471E-05	0.00550583
542.639992	497.034843	1.12174E-05	0.006087001
542.679992	496.658761	1.12089E-05	0.006082844
542.719992	450.509007	1.01674E-05	0.00551803
542.759992	403.15958	9.09875E-06	0.004938438
542.799992	379.834349	8.57233E-06	0.004653062
542.839992	493.657189	1.11412E-05	0.006047865
542.879992	924.579339	2.08665E-05	0.011327988
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543.039992	6803.259366	0.00015354	0.083378408
543.079992	7931.808703	0.00017901	0.097216681
543.119992	8255.446425	0.000186314	0.101190819
543.159992	7850.723655	0.00017718	0.096237032
543.199992	7035.007051	0.00015877	0.086244031
543.239992	5993.68735	0.000135269	0.073483626
543.279992	4797.539609	0.000108274	0.058822982
543.319992	3579.197031	8.07775E-05	0.043888026
543.359992	2399.102393	5.41444E-05	0.0294199
543.399992	1428.653712	3.22427E-05	0.017520696
543.439992	820.772103	1.85237E-05	0.01006651
543.479992	504.165328	1.13783E-05	0.006183883
543.519992	396.577106	8.95019E-06	0.004864609
543.559992	413.597878	9.33433E-06	0.005073767
543.599992	479.614339	1.08242E-05	0.00588405
543.639992	543.410811	1.2264E-05	0.006667215
543.679992	555.85793	1.25449E-05	0.006820432
543.719992	510.441973	1.152E-05	0.006263635
543.759992	430.10444	9.70686E-06	0.005278201

543.799992	347.021974	7.8318E-06	0.004258934
543.839992	317.388005	7.16301E-06	0.003895529
543.879992	416.199545	9.39304E-06	0.005108689
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543.959992	1079.797996	2.43695E-05	0.013256053
543.999992	1671.992014	3.77345E-05	0.020527584
544.039992	2442.759121	5.51297E-05	0.029992746
544.079992	3218.299377	7.26325E-05	0.039517909
544.119992	3795.27937	8.56542E-05	0.046606146
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544.199992	3904.827175	8.81265E-05	0.047958446
544.239992	3550.202329	8.01231E-05	0.043606207
544.279992	2951.505411	6.66114E-05	0.036255234
544.319992	2179.49769	4.91882E-05	0.026774135
544.359992	1461.899226	3.2993E-05	0.017960085
544.399992	924.890453	2.08735E-05	0.011363527
544.439992	579.979303	1.30893E-05	0.007126352
544.479992	392.748409	8.86378E-06	0.004826153
544.519992	368.236989	8.3106E-06	0.004525286
544.559992	403.42256	9.10469E-06	0.004958047
544.599992	480.155404	1.08364E-05	0.005901524
544.639992	542.735685	1.22488E-05	0.00667118
544.679992	511.940956	1.15538E-05	0.006293121
544.719992	488.881535	1.10334E-05	0.0060101
544.759992	446.697241	1.00813E-05	0.005491908
544.799992	380.651237	8.59077E-06	0.00468025
544.839992	333.129284	7.51826E-06	0.004096251
544.879992	386.656776	8.7263E-06	0.004754789
544.919992	590.812373	1.33338E-05	0.007265861
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545.119992	5088.356477	0.000114837	0.062600009
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545.199992	5596.78887	0.000126312	0.068865154
545.239992	5064.931508	0.000114308	0.062325538
545.279992	4107.438793	9.26992E-05	0.050547004
545.319992	2990.712785	6.74962E-05	0.036807039
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545.399992	1169.45784	2.6393E-05	0.014394761
545.439992	696.820917	1.57263E-05	0.008577741
545.479992	441.526477	9.96464E-06	0.00543551
545.519992	332.057114	7.49407E-06	0.004088163
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545.639992	440.415419	9.93956E-06	0.005423423
545.679992	434.13851	9.7979E-06	0.005346519
545.719992	395.592955	8.92798E-06	0.004872178
545.759992	336.225255	7.58814E-06	0.004141301
545.799992	283.584054	6.4001E-06	0.003493173
545.839992	267.914893	6.04647E-06	0.003300403
545.879992	290.847183	6.56402E-06	0.003583165
545.919992	367.622835	8.29674E-06	0.004529354
545.959992	569.144879	1.28448E-05	0.007012751
545.999992	1013.568639	2.28748E-05	0.012489658
546.039992	1697.510921	3.83105E-05	0.020919042
546.079992	2586.195063	5.83668E-05	0.031872953
546.119992	3600.957965	8.12686E-05	0.04438241
546.159992	4384.214421	9.89456E-05	0.054040135
546.199992	4759.770043	0.000107421	0.058673557
546.239992	4708.49373	0.000106264	0.058045726
546.279992	4072.282964	9.19058E-05	0.050206275
546.319992	3048.399162	6.87981E-05	0.03758579
546.359992	1995.43951	4.50343E-05	0.024604935
546.399992	1160.166276	2.61833E-05	0.014306575
546.439992	644.996104	1.45567E-05	0.007954343
546.479992	400.060381	9.02881E-06	0.004934062
546.519992	341.178254	7.69992E-06	0.004208159
546.559992	370.031262	8.35109E-06	0.004564372
546.599992	415.534456	9.37803E-06	0.005126033
546.639992	465.218906	1.04993E-05	0.005739361
546.679992	480.685533	1.08484E-05	0.005930605
546.719992	460.871083	1.04012E-05	0.005686554
546.759992	413.185501	9.32502E-06	0.005098549
546.799992	340.784056	7.69102E-06	0.00420545
546.839992	301.089734	6.79518E-06	0.003715874
546.879992	358.174742	8.08351E-06	0.004420707
546.919992	513.043247	1.15787E-05	0.006332607
546.959992	862.672671	1.94693E-05	0.010648939
546.999992	1530.827625	3.45486E-05	0.01889811
547.039992	2448.58468	5.52611E-05	0.030230057
547.079992	3464.2279	7.81828E-05	0.042772245
547.119992	4419.963236	9.97524E-05	0.05457654
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547.199992	5466.491927	0.000123371	0.06750867
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547.279992	4336.182017	9.78616E-05	0.053557689
547.319992	3269.664716	7.37918E-05	0.040387716
547.359992	2245.510615	5.0678E-05	0.027739135
547.399992	1322.136329	2.98388E-05	0.016333745
547.439992	682.07098	1.53934E-05	0.008426958

547.479992	400.574722	9.04041E-06	0.004949446
547.519992	356.58571	8.04764E-06	0.004406245
547.559992	381.363826	8.60685E-06	0.004712767
547.599992	423.659826	9.56141E-06	0.005235829
547.639992	458.59026	1.03497E-05	0.005667933
547.679992	457.939316	1.03351E-05	0.005660301
547.719992	419.827982	9.47493E-06	0.00518961
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547.799992	287.606569	6.49088E-06	0.003555704
547.839992	254.486767	5.74341E-06	0.003146471
547.879992	309.650997	6.98839E-06	0.0038288
547.919992	388.8637	8.77611E-06	0.004808607
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547.999992	800.995504	1.80774E-05	0.009906389
548.039992	1298.977895	2.93161E-05	0.016066407
548.079992	2085.894295	4.70757E-05	0.025801265
548.119992	2969.144577	6.70095E-05	0.036729223
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548.199992	4234.533926	9.55675E-05	0.052390121
548.239992	4126.631836	9.31323E-05	0.051058869
548.279992	3585.664774	8.09235E-05	0.044368714
548.319992	2823.261661	6.37171E-05	0.034937351
548.359992	1984.597282	4.47896E-05	0.024560823
548.399992	1244.643317	2.80899E-05	0.015404482
548.439992	736.133941	1.66135E-05	0.009111518
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548.599992	446.995563	1.00881E-05	0.005534314
548.639992	486.587721	1.09816E-05	0.006024949
548.679992	487.579896	1.1004E-05	0.006037674
548.719992	447.449031	1.00983E-05	0.00554114
548.759992	399.941744	9.02613E-06	0.004953178
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548.839992	400.756338	9.04451E-06	0.00496399
548.879992	434.010317	9.79501E-06	0.005376284
548.919992	584.365793	1.31883E-05	0.007239334
548.959992	933.878163	2.10763E-05	0.011570062
548.999992	1625.632615	3.66883E-05	0.020141857
549.039992	2617.309143	5.9069E-05	0.032431255
549.079992	3773.556258	8.51639E-05	0.046761798
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549.199992	5764.071398	0.000130087	0.071443814
549.239992	5307.056822	0.000119773	0.065784056
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549.399992	1179.67539	2.66236E-05	0.014627022
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549.519992	361.061385	8.14865E-06	0.004477847
549.559992	373.369558	8.42643E-06	0.004630829
549.599992	428.624264	9.67345E-06	0.005316529
549.639992	495.405507	1.11806E-05	0.006145312
549.679992	508.232361	1.14701E-05	0.006304883
549.719992	454.743424	1.02629E-05	0.005641735
549.759992	400.486863	9.03843E-06	0.004968968
549.799992	338.649911	7.64286E-06	0.004202043
549.839992	294.533127	6.6472E-06	0.003654898
549.879992	308.369415	6.95947E-06	0.003826872
549.919992	388.42649	8.76624E-06	0.004820733
549.959992	551.450724	1.24455E-05	0.006844513
549.999992	839.307093	1.8942E-05	0.010418095
550.039992	1328.46343	2.99816E-05	0.016491062
550.079992	1972.289861	4.45118E-05	0.02448507
550.119992	2579.819195	5.82229E-05	0.032029595
550.159992	3100.561301	6.99753E-05	0.038497638
550.199992	3308.775135	7.46744E-05	0.04108588
550.239992	3119.170849	7.03953E-05	0.038734332
550.279992	2668.967513	6.02349E-05	0.033146049
550.319992	2038.610701	4.60086E-05	0.025319455
550.359992	1404.254026	3.16921E-05	0.01744204
550.399992	907.369713	2.04781E-05	0.01127113
550.439992	571.002054	1.28867E-05	0.007093367
550.479992	394.252556	8.89773E-06	0.004898023
550.519992	351.862083	7.94104E-06	0.0043717
550.559992	401.293057	9.05663E-06	0.004986216
550.599992	463.93678	1.04704E-05	0.005765006
550.639992	476.313829	1.07497E-05	0.005919237
550.679992	469.088526	1.05867E-05	0.00582987
550.719992	445.727656	1.00595E-05	0.005539942
550.759992	400.169543	9.03127E-06	0.004974062
550.799992	347.42888	7.84099E-06	0.004318815
550.839992	361.995786	8.16974E-06	0.00450022
550.879992	495.218114	1.11764E-05	0.006156846
550.919992	787.174736	1.77654E-05	0.009787335
550.959992	1297.654014	2.92862E-05	0.016135549
550.999992	1998.546452	4.51044E-05	0.024852529
551.039992	2758.581502	6.22573E-05	0.034306285
551.079992	3484.282555	7.86354E-05	0.043334398
551.119992	4055.356996	9.15238E-05	0.050440573

551.159992	4428.559275	9.99464E-05	0.055086465
551.199992	4455.158493	0.000100547	0.055421352
551.239992	4007.961746	9.04541E-05	0.049861925
551.279992	3237.312819	7.30616E-05	0.040277421
551.319992	2372.449119	5.35429E-05	0.029519256
551.359992	1584.174276	3.57526E-05	0.019712557
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551.439992	590.239424	1.33209E-05	0.007345667
551.479992	386.158482	8.71506E-06	0.004806181
551.519992	330.751359	7.4646E-06	0.004116875
551.559992	346.792198	7.82662E-06	0.004316849
551.599992	413.645747	9.33541E-06	0.005149411
551.639992	477.427106	1.07749E-05	0.005943846
551.679992	479.226251	1.08155E-05	0.005966678
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551.799992	323.746182	7.3065E-06	0.004031727
551.839992	287.397034	6.48615E-06	0.003579317
551.879992	292.18133	6.59413E-06	0.003639166
551.919992	364.250591	8.22063E-06	0.004537129
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552.039992	1242.342026	2.80379E-05	0.015478058
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552.159992	2746.828953	6.19921E-05	0.034229559
552.199992	2880.296681	6.50043E-05	0.035895365
552.239992	2771.703304	6.25535E-05	0.034544535
552.279992	2443.441575	5.51451E-05	0.03045552
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552.359992	1365.887874	3.08262E-05	0.017027152
552.399992	883.813081	1.99464E-05	0.011018408
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552.719992	459.827027	1.03777E-05	0.005735938
552.759992	411.897218	9.29595E-06	0.005138427
552.799992	374.274019	8.44684E-06	0.004669415
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552.879992	519.316958	1.17203E-05	0.006479897
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553.159992	3895.291548	8.79113E-05	0.048629017
553.199992	3934.233878	8.87902E-05	0.049118726
553.239992	3689.944677	8.32769E-05	0.046072118
553.279992	3061.602851	6.90961E-05	0.038229496
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553.439992	575.410528	1.29862E-05	0.00718709
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553.639992	434.324326	9.8021E-06	0.005426832
553.679992	437.044337	9.86348E-06	0.005461213
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554.239992	2893.307689	6.52979E-05	0.036190721
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561.599992	421.968216	9.52323E-06	0.005348249
561.639992	451.498881	1.01897E-05	0.005722944
561.679992	450.120823	1.01586E-05	0.005705882
561.719992	419.850197	9.47543E-06	0.005322541
561.759992	362.031876	8.17056E-06	0.004589891
561.799992	319.942509	7.22066E-06	0.004056565
561.839992	308.248794	6.95675E-06	0.003908578
561.879992	330.606633	7.46133E-06	0.004192373
561.919992	402.013604	9.07289E-06	0.005098237
561.959992	574.757656	1.29715E-05	0.007289453
561.999992	904.570981	2.04149E-05	0.011473178
562.039992	1471.66689	3.32135E-05	0.018667299
562.079992	2244.29958	5.06507E-05	0.028469754
562.119992	2886.655463	6.51478E-05	0.036620877
562.159992	3214.27232	7.25416E-05	0.040780013

562.199992	3256.774257	7.35009E-05	0.041322182
562.239992	3011.292972	6.79607E-05	0.038210217
562.279992	2472.842275	5.58086E-05	0.031380062
562.319992	1847.903615	4.17046E-05	0.023451336
562.359992	1282.942108	2.89542E-05	0.016282693
562.399992	794.514136	1.79311E-05	0.010084438
562.439992	488.152527	1.10169E-05	0.006196358
562.479992	354.566119	8.00206E-06	0.004501001
562.519992	302.794481	6.83365E-06	0.003844065
562.559992	362.645267	8.1844E-06	0.004604215
562.599992	456.245388	1.02968E-05	0.005792992
562.639992	465.763175	1.05116E-05	0.005914261
562.679992	447.218997	1.00931E-05	0.005679191
562.719992	440.422902	9.93973E-06	0.005593286
562.759992	423.150219	9.54991E-06	0.005374308
562.799992	383.095745	8.64594E-06	0.004865933
562.839992	361.77915	8.16485E-06	0.004595505
562.879992	386.577464	8.72451E-06	0.004910855
562.919992	458.388659	1.03452E-05	0.005823516
562.959992	731.571618	1.65106E-05	0.00929478
562.999992	1288.666156	2.90834E-05	0.016373954
563.039992	2095.997045	4.73037E-05	0.026633894
563.079992	3022.582662	6.82155E-05	0.038410772
563.119992	3853.049841	8.6958E-05	0.04896777
563.159992	4436.875812	0.000100134	0.056391523
563.199992	4507.56197	0.000101729	0.057293995
563.239992	4025.781123	9.08563E-05	0.051173886
563.279992	3259.154049	7.35546E-05	0.041431816
563.319992	2365.552896	5.33872E-05	0.030074096
563.359992	1565.492984	3.5331E-05	0.01990407
563.399992	959.768935	2.16606E-05	0.012203609
563.439992	566.859607	1.27932E-05	0.007208218
563.479992	377.445077	8.51841E-06	0.004799953
563.519992	332.399817	7.5018E-06	0.004227415
563.559992	385.742752	8.70568E-06	0.004906171
563.599992	450.649402	1.01705E-05	0.00573211
563.639992	495.942984	1.11927E-05	0.006308677
563.679992	506.553808	1.14322E-05	0.00644411
563.719992	475.273779	1.07263E-05	0.006046611
563.759992	399.082521	9.00674E-06	0.005077638
563.799992	325.367231	7.34309E-06	0.004140031
563.839992	276.785949	6.24667E-06	0.003522124
563.879992	273.498007	6.17247E-06	0.003480532
563.919992	349.97417	7.89843E-06	0.004454082
563.959992	509.28564	1.14939E-05	0.006482081
563.999992	823.009467	1.85742E-05	0.010475836

564.039992	1312.850629	2.96292E-05	0.016712059
564.079992	1929.261928	4.35408E-05	0.024560468
564.119992	2523.408686	5.69498E-05	0.032126532
564.159992	2911.601298	6.57108E-05	0.037071396
564.199992	2994.517441	6.75821E-05	0.038129813
564.239992	2830.249247	6.38748E-05	0.036040707
564.279992	2416.144644	5.4529E-05	0.030769635
564.319992	1892.203888	4.27044E-05	0.02409895
564.359992	1386.503758	3.12915E-05	0.017659647
564.399992	969.177193	2.1873E-05	0.012345109
564.439992	681.169266	1.5373E-05	0.008677159
564.479992	480.22659	1.0838E-05	0.00611786
564.519992	395.289437	8.92113E-06	0.005036157
564.559992	420.232952	9.48407E-06	0.005354328
564.599992	503.33433	1.13596E-05	0.006413605
564.639992	573.064786	1.29333E-05	0.007302644
564.679992	600.528022	1.35531E-05	0.007653154
564.719992	541.262257	1.22155E-05	0.006898357
564.759992	466.655348	1.05318E-05	0.005947917
564.799992	418.986225	9.45594E-06	0.005340712
564.839992	391.167406	8.8281E-06	0.004986466
564.879992	446.411554	1.00749E-05	0.005691102
564.919992	683.080784	1.54162E-05	0.008708909
564.959992	1196.269579	2.69981E-05	0.015252868
564.999992	2210.897598	4.98969E-05	0.028191736
565.039992	3971.890806	8.964E-05	0.050650209
565.079992	6212.670944	0.000140211	0.079230617
565.119992	8264.288653	0.000186513	0.105402498
565.159992	9357.800338	0.000211193	0.119357563
565.199992	8976.43767	0.000202586	0.114501433
565.239992	7494.133231	0.000169132	0.095600254
565.279992	5511.686005	0.000124391	0.070315786
565.319992	3676.546513	8.29745E-05	0.046907163
565.359992	2236.301488	5.04702E-05	0.028533837
565.399992	1267.345271	2.86022E-05	0.016171694
565.439992	709.228737	1.60063E-05	0.009050605
565.479992	437.209865	9.86722E-06	0.005579714
565.519992	368.21696	8.31014E-06	0.004699553
565.559992	407.172492	9.18932E-06	0.005197109
565.599992	455.842814	1.02877E-05	0.005818744
565.639992	485.229644	1.0951E-05	0.006194299
565.679992	513.009248	1.15779E-05	0.006549389
565.719992	493.618301	1.11403E-05	0.006302278
565.759992	419.878419	9.47607E-06	0.005361182
565.799992	353.703805	7.9826E-06	0.004516556
565.839992	297.716552	6.71905E-06	0.003801906

565.879992	290.677037	6.56018E-06	0.003712272
565.919992	360.206064	8.12935E-06	0.004600561
565.959992	560.376743	1.26469E-05	0.007157652
565.999992	969.277822	2.18753E-05	0.012381392
566.039992	1627.113135	3.67217E-05	0.020785938
566.079992	2495.914305	5.63293E-05	0.031886895
566.119992	3409.673104	7.69516E-05	0.043563824
566.159992	4105.565963	9.26569E-05	0.052458633
566.199992	4262.115251	9.619E-05	0.05446278
566.239992	3836.103269	8.65755E-05	0.049022515
566.279992	3115.996799	7.03237E-05	0.039822909
566.319992	2303.682913	5.19909E-05	0.029443494
566.359992	1528.408875	3.44941E-05	0.019536055
566.399992	940.590676	2.12278E-05	0.012023438
566.439992	582.363168	1.31431E-05	0.007444792
566.479992	423.217681	9.55143E-06	0.005410696
566.519992	405.837419	9.15919E-06	0.005188862
566.559992	450.162472	1.01595E-05	0.005755989
566.599992	529.477697	1.19496E-05	0.006770629
566.639992	602.89968	1.36066E-05	0.007710047
566.679992	601.200652	1.35683E-05	0.007688862
566.719992	566.053041	1.2775E-05	0.007239864
566.759992	525.65095	1.18632E-05	0.006723593
566.799992	515.084828	1.16247E-05	0.006588907
566.839992	515.450505	1.1633E-05	0.00659405
566.879992	544.735912	1.22939E-05	0.006969183
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567.119992	3729.102878	8.41607E-05	0.047729192
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567.199992	4702.963621	0.000106139	0.060202232
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567.279992	3876.452505	8.74861E-05	0.049629133
567.319992	2903.117172	6.55193E-05	0.037170415
567.359992	1974.399824	4.45595E-05	0.025281251
567.399992	1254.08391	2.83029E-05	0.016059081
567.439992	762.278509	1.72036E-05	0.00976199
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567.519992	388.274756	8.76282E-06	0.004973076
567.559992	358.325944	8.08692E-06	0.004589811
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567.799992	352.59949	7.95768E-06	0.00451837
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567.999992	710.338574	1.60314E-05	0.009105808
568.039992	1105.125836	2.49412E-05	0.014167571
568.079992	1646.519795	3.71597E-05	0.021109658
568.119992	2227.538595	5.02724E-05	0.02856078
568.159992	2682.584969	6.05422E-05	0.034397659
568.199992	2933.093257	6.61958E-05	0.03761247
568.239992	2832.207458	6.3919E-05	0.036321319
568.279992	2420.983118	5.46382E-05	0.031049805
568.319992	1887.733991	4.26035E-05	0.024212436
568.359992	1338.500606	3.02081E-05	0.017169072
568.399992	864.034486	1.95001E-05	0.011083831
568.439992	552.194994	1.24623E-05	0.007084054
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568.519992	316.962307	7.1534E-06	0.00406685
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568.599992	438.899083	9.90534E-06	0.005632177
568.639992	480.010663	1.08332E-05	0.006160175
568.679992	451.327906	1.01858E-05	0.005792485
568.719992	407.084647	9.18733E-06	0.00522502
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569.119992	2936.450145	6.62716E-05	0.037716487
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569.199992	3345.046133	7.5493E-05	0.042970633
569.239992	3175.658905	7.16702E-05	0.040797543
569.279992	2733.574764	6.1693E-05	0.035120576
569.319992	2121.553931	4.78805E-05	0.027259336
569.359992	1507.043971	3.40119E-05	0.019365006
569.399992	977.873217	2.20692E-05	0.012566223
569.439992	613.060492	1.38359E-05	0.007878727
569.479992	419.762097	9.47345E-06	0.005394938
569.519992	333.377507	7.52387E-06	0.004284992

569.559992	346.270664	7.81485E-06	0.004451024
569.599992	416.121562	9.39128E-06	0.005349275
569.639992	452.786805	1.02188E-05	0.005821019
569.679992	427.118921	9.63948E-06	0.005491418
569.719992	377.465559	8.51887E-06	0.004853372
569.759992	341.890502	7.71599E-06	0.004396264
569.799992	289.036793	6.52316E-06	0.003716895
569.839992	255.601937	5.76858E-06	0.003287167
569.879992	270.621835	6.10756E-06	0.003480575
569.919992	335.703077	7.57635E-06	0.004317914
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570.119992	2261.980408	5.10497E-05	0.029104481
570.159992	2804.411638	6.32917E-05	0.036086375
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570.239992	3195.611099	7.21205E-05	0.041125988
570.279992	2905.329511	6.55692E-05	0.037392826
570.319992	2272.498563	5.12871E-05	0.029250074
570.359992	1595.40592	3.60061E-05	0.020536433
570.399992	1024.126539	2.31131E-05	0.013183717
570.439992	624.807458	1.4101E-05	0.008043794
570.479992	427.964784	9.65857E-06	0.00551002
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570.559992	412.022783	9.29878E-06	0.005305512
570.599992	459.204613	1.03636E-05	0.005913475
570.639992	475.785297	1.07378E-05	0.006127425
570.679992	469.742428	1.06014E-05	0.006050025
570.719992	432.353606	9.75762E-06	0.005568868
570.759992	372.819826	8.41402E-06	0.004802388
570.799992	320.239276	7.22735E-06	0.004125374
570.839992	296.564117	6.69304E-06	0.003820654
570.879992	336.098672	7.58528E-06	0.004330284
570.919992	448.983215	1.01329E-05	0.00578509
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570.999992	1094.575656	2.4703E-05	0.01410544
571.039992	1723.160679	3.88893E-05	0.022207366
571.079992	2449.655085	5.52853E-05	0.03157233
571.119992	3143.048319	7.09342E-05	0.040511953
571.159992	3619.643739	8.16903E-05	0.046658241
571.199992	3712.235371	8.378E-05	0.047855125
571.239992	3422.881705	7.72497E-05	0.044128102
571.279992	2778.420557	6.27051E-05	0.035822159
571.319992	2025.562406	4.57141E-05	0.026117392
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571.439992	552.410937	1.24671E-05	0.007124225
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571.679992	473.480507	1.06858E-05	0.006108856
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571.759992	356.468198	8.04499E-06	0.004599804
571.799992	278.318649	6.28126E-06	0.003591627
571.839992	237.622336	5.36281E-06	0.003066666
571.879992	256.710589	5.7936E-06	0.003313244
571.919992	322.44123	7.27705E-06	0.00416189
571.959992	467.701318	1.05554E-05	0.006037248
571.999992	779.441226	1.75909E-05	0.010061996
572.039992	1248.897868	2.81859E-05	0.016123454
572.079992	1891.927109	4.26982E-05	0.024426763
572.119992	2641.037888	5.96045E-05	0.034100953
572.159992	3393.393635	7.65842E-05	0.043818397
572.199992	3980.985607	8.98453E-05	0.05140948
572.239992	4164.063103	9.39771E-05	0.053777457
572.279992	3800.260453	8.57666E-05	0.049082501
572.319992	2912.949782	6.57412E-05	0.037625014
572.359992	1902.042621	4.29265E-05	0.024569384
572.399992	1128.576643	2.54704E-05	0.014579258
572.439992	656.124137	1.48078E-05	0.008476581
572.479992	411.299867	9.28247E-06	0.005314026
572.519992	336.387604	7.5918E-06	0.004346457
572.559992	369.182405	8.33193E-06	0.004770531
572.599992	438.367168	9.89334E-06	0.005664924
572.639992	446.354073	1.00736E-05	0.00576854
572.679992	433.531714	9.78421E-06	0.00560322
572.719992	444.062635	1.00219E-05	0.005739728
572.759992	419.690194	9.47182E-06	0.005425081
572.799992	368.533068	8.31728E-06	0.004764137
572.839992	317.839725	7.1732E-06	0.004109096
572.879992	318.160213	7.18043E-06	0.004113526
572.919992	435.200078	9.82186E-06	0.00562714
572.959992	734.308787	1.65723E-05	0.00949528
572.999992	1203.605454	2.71637E-05	0.015564799
573.039992	1892.537919	4.27119E-05	0.024475652
573.079992	2722.106392	6.14341E-05	0.035206682
573.119992	3507.884181	7.91681E-05	0.045372798
573.159992	4069.244165	9.18372E-05	0.052637393
573.199992	4294.631921	9.69239E-05	0.055556756

573.239992	4084.742373	9.21869E-05	0.052845244
573.279992	3499.59306	7.89809E-05	0.045278193
573.319992	2616.918572	5.90602E-05	0.033860397
573.359992	1724.132807	3.89113E-05	0.022310169
573.399992	1044.110974	2.35641E-05	0.013511672
573.439992	613.566889	1.38474E-05	0.007940624
573.479992	407.691008	9.20102E-06	0.0052766
573.519992	327.656059	7.39474E-06	0.004241032
573.559992	341.401006	7.70495E-06	0.004419248
573.599992	399.714921	9.02101E-06	0.005174451
573.639992	440.262902	9.93612E-06	0.005699756
573.679992	447.184501	1.00923E-05	0.005789769
573.719992	409.817455	9.24901E-06	0.005306341
573.759992	357.611457	8.07079E-06	0.004630698
573.799992	304.536855	6.87297E-06	0.003943712
573.839992	299.864287	6.76752E-06	0.003883473
573.879992	324.396664	7.32118E-06	0.004201479
573.919992	408.970923	9.2299E-06	0.005297226
573.959992	583.481421	1.31684E-05	0.007558113
573.999992	911.221037	2.0565E-05	0.011804304
574.039992	1540.949459	3.47771E-05	0.019963436
574.079992	2607.081516	5.88382E-05	0.033777832
574.119992	3854.789867	8.69972E-05	0.049946854
574.159992	5196.656759	0.000117281	0.067338233
574.199992	6420.701074	0.000144906	0.083205185
574.239992	6988.213028	0.000157714	0.090565821
574.279992	6609.953294	0.000149177	0.085669618
574.319992	5390.244964	0.00012165	0.069866211
574.359992	3749.798799	8.46277E-05	0.048606786
574.399992	2259.974768	5.10045E-05	0.029296974
574.439992	1228.650105	2.77289E-05	0.015928601
574.479992	669.529446	1.51103E-05	0.008680592
574.519992	476.765748	1.07599E-05	0.0061818
574.559992	445.014766	1.00434E-05	0.005770515
574.599992	463.405908	1.04584E-05	0.006009411
574.639992	487.917427	1.10116E-05	0.006327715
574.679992	515.579812	1.16359E-05	0.006686929
574.719992	525.035297	1.18493E-05	0.006810038
574.759992	470.060999	1.06086E-05	0.006097411
574.799992	407.749326	9.20233E-06	0.005289502
574.839992	414.54273	9.35565E-06	0.005378003
574.879992	491.75327	1.10982E-05	0.006380125
574.919992	626.248837	1.41336E-05	0.008125668
574.959992	896.373183	2.02299E-05	0.01163138
574.999992	1486.426445	3.35466E-05	0.01928928
575.039992	2482.820683	5.60338E-05	0.032221679

575.079992	3662.031423	8.26469E-05	0.047528606
575.119992	4742.992036	0.000107043	0.06156241
575.159992	5659.721049	0.000127732	0.073466348
575.199992	6200.352103	0.000139933	0.080489639
575.239992	6192.332	0.000139752	0.080391117
575.279992	5568.258809	0.000125668	0.072294197
575.319992	4434.496339	0.00010008	0.057578258
575.359992	3042.038005	6.86546E-05	0.039501087
575.399992	1832.314883	4.13528E-05	0.023794398
575.439992	1022.413138	2.30744E-05	0.013277956
575.479992	594.888619	1.34258E-05	0.007726284
575.519992	430.326981	9.71188E-06	0.005589381
575.559992	395.762449	8.93181E-06	0.005140791
575.599992	432.289779	9.75618E-06	0.005615656
575.639992	460.224349	1.03866E-05	0.005978955
575.679992	426.833519	9.63304E-06	0.005545547
575.719992	410.482541	9.26402E-06	0.005333481
575.759992	418.385591	9.44238E-06	0.005436545
575.799992	430.470197	9.71511E-06	0.005593962
575.839992	429.589604	9.69524E-06	0.005582906
575.879992	471.289543	1.06363E-05	0.00612526
575.919992	568.817986	1.28374E-05	0.007393332
575.959992	724.718492	1.63559E-05	0.009420336
575.999992	1018.680068	2.29902E-05	0.013242349
576.039992	1520.125918	3.43071E-05	0.019762276
576.079992	2161.31385	4.87778E-05	0.028099939
576.119992	2760.320078	6.22966E-05	0.035890305
576.159992	3206.707698	7.23709E-05	0.041697232
576.199992	3452.954108	7.79284E-05	0.044902323
576.239992	3379.243782	7.62648E-05	0.043946842
576.279992	2969.766976	6.70235E-05	0.038624304
576.319992	2360.66104	5.32768E-05	0.030704503
576.359992	1708.263986	3.85531E-05	0.022220487
576.399992	1107.36232	2.49916E-05	0.014405173
576.439992	690.995494	1.55948E-05	0.00898947
576.479992	466.080085	1.05188E-05	0.006063865
576.519992	368.687444	8.32076E-06	0.004797086
576.559992	357.493674	8.06813E-06	0.004651763
576.599992	410.176866	9.25712E-06	0.005337656
576.639992	454.127846	1.0249E-05	0.005910002
576.679992	451.625212	1.01926E-05	0.005877841
576.719992	456.90023	1.03116E-05	0.005946907
576.759992	450.963324	1.01776E-05	0.005870041
576.799992	434.128828	9.79768E-06	0.005651303
576.839992	434.10616	9.79717E-06	0.0056514
576.879992	466.598413	1.05305E-05	0.006074821

576.919992	614.581393	1.38702E-05	0.008002022
576.959992	907.591991	2.04831E-05	0.011817922
576.999992	1418.422875	3.20118E-05	0.018470825
577.039992	2203.957587	4.97403E-05	0.028702115
577.079992	3180.866262	7.17877E-05	0.041427257
577.119992	4102.893453	9.25966E-05	0.053439343
577.159992	4809.482413	0.000108543	0.062646861
577.199992	5177.748551	0.000116855	0.067448458
577.239992	5002.100059	0.00011289	0.065164871
577.279992	4372.505204	9.86814E-05	0.05696677
577.319992	3361.725645	7.58695E-05	0.043800959
577.359992	2286.259915	5.15977E-05	0.029790449
577.399992	1390.437945	3.13802E-05	0.018118955
577.439992	782.310969	1.76557E-05	0.010195089
577.479992	455.453756	1.0279E-05	0.005935892
577.519992	360.483727	8.13562E-06	0.004698481
577.559992	383.3667	8.65205E-06	0.004997079
577.599992	444.288544	1.0027E-05	0.00579158
577.639992	528.612999	1.19301E-05	0.006891279
577.679992	517.848356	1.16871E-05	0.006751413
577.719992	440.389902	9.93899E-06	0.005741951
577.759992	394.802929	8.91015E-06	0.005147929
577.799992	357.861347	8.07643E-06	0.004666562
577.839992	319.841212	7.21837E-06	0.004171063
577.879992	309.020495	6.97416E-06	0.004030229
577.919992	344.497214	7.77482E-06	0.004493225
577.959992	473.184036	1.06791E-05	0.006172095
577.999992	736.428454	1.66202E-05	0.009606455
578.039992	1188.433229	2.68213E-05	0.015503774
578.079992	1843.250748	4.15996E-05	0.024047898
578.119992	2504.60315	5.65254E-05	0.032678466
578.159992	2937.749246	6.63009E-05	0.038332533
578.199992	3112.951872	7.0255E-05	0.040621433
578.239992	3024.954119	6.8269E-05	0.039475867
578.279992	2630.892734	5.93756E-05	0.034335713
578.319992	2034.038938	4.59054E-05	0.026548025
578.359992	1449.796952	3.27199E-05	0.01892388
578.399992	979.108721	2.20971E-05	0.012780974
578.439992	644.615424	1.45481E-05	0.008415187
578.479992	432.872667	9.76933E-06	0.005651364
578.519992	343.388917	7.74981E-06	0.00448342
578.559992	364.007769	8.21515E-06	0.004752956
578.599992	408.840728	9.22697E-06	0.005338722
578.639992	466.774018	1.05344E-05	0.006095648
578.679992	499.615892	1.12756E-05	0.006524984
578.719992	500.577668	1.12973E-05	0.006537997

578.759992	463.843228	1.04683E-05	0.006058631
578.799992	393.335142	8.87703E-06	0.005138023
578.839992	363.25944	8.19826E-06	0.004745481
578.879992	417.935988	9.43223E-06	0.005460131
578.919992	571.355477	1.28947E-05	0.007464998
578.959992	875.892257	1.97677E-05	0.011444689
578.999992	1460.93816	3.29713E-05	0.019090405
579.039992	2406.593669	5.43135E-05	0.031449669
579.079992	3544.587922	7.99964E-05	0.046324322
579.119992	4646.691787	0.000104869	0.060731944
579.159992	5499.535575	0.000124117	0.071883518
579.199992	5728.95393	0.000129295	0.074887379
579.239992	5328.771847	0.000120263	0.069661115
579.279992	4463.674867	0.000100739	0.058356043
579.319992	3314.046346	7.47934E-05	0.043329318
579.359992	2196.732124	4.95772E-05	0.028723037
579.399992	1309.191796	2.95466E-05	0.01711932
579.439992	760.658245	1.7167E-05	0.009947245
579.479992	489.890887	1.10562E-05	0.006406821
579.519992	403.494012	9.1063E-06	0.005277282
579.559992	438.25847	9.89088E-06	0.00573236
579.599992	507.864699	1.14618E-05	0.006643259
579.639992	576.888002	1.30196E-05	0.007546657
579.679992	575.341927	1.29847E-05	0.007526951
579.719992	501.850521	1.13261E-05	0.006565948
579.759992	419.831942	9.47502E-06	0.005493239
579.799992	351.182782	7.92571E-06	0.004595324
579.839992	284.211601	6.41426E-06	0.003719244
579.879992	260.52916	5.87978E-06	0.003409567
579.919992	331.262962	7.47614E-06	0.004335565
579.959992	481.165149	1.08592E-05	0.006297917
579.999992	774.864476	1.74876E-05	0.010142815
580.039992	1251.042771	2.82343E-05	0.016377019
580.079992	1846.856033	4.1681E-05	0.024178296
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580.199992	3051.161575	6.88605E-05	0.039952842
580.239992	2919.46965	6.58884E-05	0.038231064
580.279992	2576.516799	5.81484E-05	0.03374235
580.319991	1982.783145	4.47487E-05	0.025968538
580.359991	1338.764287	3.0214E-05	0.017535023
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580.439991	581.945151	1.31337E-05	0.00762332
580.479991	414.948866	9.36482E-06	0.005436089
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580.559991	414.443935	9.35342E-06	0.005430223

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580.759991	422.641497	9.53843E-06	0.005539538
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580.839991	344.277234	7.76986E-06	0.004513044
580.879991	394.592111	8.90539E-06	0.005172965
580.919991	573.129815	1.29347E-05	0.00751405
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580.999991	1395.373673	3.14916E-05	0.018296643
581.039991	2176.706404	4.91252E-05	0.028543724
581.079991	3016.121891	6.80697E-05	0.039553923
581.119991	3758.55551	8.48254E-05	0.049293714
581.159991	4142.898734	9.34995E-05	0.054338142
581.199991	4170.62084	9.41251E-05	0.054705509
581.239991	3847.382285	8.68301E-05	0.050469103
581.279991	3083.219907	6.9584E-05	0.040447775
581.319991	2232.09186	5.03752E-05	0.029284113
581.359991	1489.862098	3.36241E-05	0.019547714
581.399991	933.564038	2.10692E-05	0.012249656
581.439991	576.651949	1.30142E-05	0.007566995
581.479991	402.601423	9.08615E-06	0.005283416
581.519991	357.049208	8.0581E-06	0.004685948
581.559991	393.918144	8.89018E-06	0.005170175
581.599991	443.525751	1.00098E-05	0.005821675
581.639991	469.0287	1.05853E-05	0.006156848
581.679991	483.422507	1.09102E-05	0.006346229
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581.799991	380.381242	8.58467E-06	0.004994564
581.839991	331.281986	7.47657E-06	0.004350169
581.879991	340.755983	7.69039E-06	0.004474883
581.919991	399.61636	9.01878E-06	0.005248211
581.959991	502.92123	1.13502E-05	0.006605381
581.999991	709.731109	1.60176E-05	0.009322268
582.039991	1088.708547	2.45706E-05	0.014301092
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582.199991	2613.07657	5.89735E-05	0.03433437
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582.279991	2065.767841	4.66215E-05	0.027146768
582.319991	1603.163543	3.61812E-05	0.021069018
582.359991	1152.01922	2.59995E-05	0.015141051
582.399991	780.26639	1.76095E-05	0.010255788

582.439991	513.788973	1.15955E-05	0.006753684
582.479991	364.880236	8.23484E-06	0.004796629
582.519991	324.619422	7.32621E-06	0.004267663
582.559991	355.545912	8.02418E-06	0.004674564
582.599991	415.537043	9.37809E-06	0.005463676
582.639991	473.786241	1.06927E-05	0.006229992
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582.719991	429.514079	9.69353E-06	0.005648616
582.759991	406.914785	9.1835E-06	0.005351776
582.799991	396.530733	8.94915E-06	0.005215562
582.839991	399.82887	9.02358E-06	0.005259304
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582.959991	798.97339	1.80317E-05	0.010511769
582.999991	1282.555105	2.89455E-05	0.016875216
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583.079991	2855.211804	6.44382E-05	0.037572598
583.119991	3584.91225	8.09065E-05	0.047178184
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583.199991	3908.40972	8.82074E-05	0.051442534
583.239991	3483.597415	7.86199E-05	0.045854294
583.279991	2810.719111	6.3434E-05	0.036999792
583.319991	2043.679072	4.6123E-05	0.026904462
583.359991	1355.442514	3.05904E-05	0.017845244
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583.519991	332.816589	7.51121E-06	0.004382939
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584.039991	1089.974145	2.45992E-05	0.014366916
584.079991	1643.840809	3.70992E-05	0.021668899
584.119991	2248.321899	5.07415E-05	0.029639121
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584.199991	2781.713071	6.27794E-05	0.036675719
584.239991	2630.469913	5.9366E-05	0.034684016

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584.359991	1175.00324	2.65182E-05	0.015496167
584.399991	742.654706	1.67607E-05	0.009794943
584.439991	471.771291	1.06472E-05	0.006222662
584.479991	375.188477	8.46748E-06	0.004949073
584.519991	369.157363	8.33137E-06	0.004869851
584.559991	389.600038	8.79273E-06	0.005139878
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584.679991	520.564565	1.17484E-05	0.006869064
584.719991	497.160901	1.12202E-05	0.006560692
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584.879991	392.136687	8.84998E-06	0.005176176
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584.959991	762.88615	1.72173E-05	0.010071419
584.999991	1189.533217	2.68461E-05	0.015704973
585.039991	1754.489305	3.95964E-05	0.023165466
585.079991	2473.875236	5.58319E-05	0.032666138
585.119991	3138.281303	7.08266E-05	0.041442082
585.159991	3540.364285	7.99011E-05	0.046754921
585.199991	3719.881562	8.39525E-05	0.049129029
585.239991	3686.610662	8.32017E-05	0.048692943
585.279991	3317.356406	7.48681E-05	0.043818809
585.319991	2676.453713	6.04038E-05	0.035355571
585.359991	1935.813941	4.36886E-05	0.025573573
585.399991	1264.109573	2.85292E-05	0.016700989
585.439991	768.327005	1.73401E-05	0.010151571
585.479991	450.358178	1.0164E-05	0.005950793
585.519991	348.880137	7.87374E-06	0.004610231
585.559991	370.899895	8.37069E-06	0.004901544
585.599991	451.351803	1.01864E-05	0.005965145
585.639991	484.391593	1.0932E-05	0.006402242
585.679991	482.885219	1.0898E-05	0.006382768
585.719991	463.793321	1.04672E-05	0.00613083
585.759991	398.798829	9.00033E-06	0.005272036
585.799991	320.043197	7.22293E-06	0.004231192
585.839991	266.102339	6.00556E-06	0.003518297
585.879991	268.484883	6.05933E-06	0.00355004
585.919991	341.563914	7.70862E-06	0.004516636
585.959991	465.146096	1.04977E-05	0.006151232
585.999991	696.519975	1.57195E-05	0.009211618
586.039991	1083.756995	2.44589E-05	0.014333885
586.079991	1639.141418	3.69931E-05	0.021680938

586.119991	2184.615837	4.93037E-05	0.028897906
586.159991	2570.143913	5.80046E-05	0.033999957
586.199991	2743.650571	6.19204E-05	0.036297721
586.239991	2600.176274	5.86824E-05	0.034401944
586.279991	2243.590355	5.06347E-05	0.029686117
586.319991	1778.021879	4.01275E-05	0.023527542
586.359991	1275.722978	2.87913E-05	0.016882061
586.399991	866.928533	1.95654E-05	0.011473132
586.439991	572.98238	1.29314E-05	0.007583498
586.479991	382.147123	8.62453E-06	0.005058113
586.519991	308.491459	6.96222E-06	0.004083483
586.559991	323.080999	7.29149E-06	0.004276895
586.599991	391.888273	8.84437E-06	0.005188109
586.639991	416.854486	9.40783E-06	0.005519006
586.679991	408.063225	9.20942E-06	0.005402982
586.719991	404.431014	9.12744E-06	0.005355254
586.759991	394.576438	8.90504E-06	0.005225122
586.799991	382.438162	8.6311E-06	0.005064727
586.839991	364.581896	8.22811E-06	0.004828581
586.879991	383.61512	8.65766E-06	0.005081007
586.919991	478.302551	1.07946E-05	0.00633558
586.959991	670.414903	1.51303E-05	0.008880899
586.999991	1053.363341	2.37729E-05	0.013954718
587.039991	1665.158776	3.75803E-05	0.022061147
587.079991	2407.231194	5.43279E-05	0.031894797
587.119991	3115.180157	7.03053E-05	0.041277634
587.159991	3559.880399	8.03415E-05	0.047173339
587.199991	3629.488609	8.19125E-05	0.048099021
587.239991	3274.594966	7.3903E-05	0.043398825
587.279991	2704.441039	6.10355E-05	0.035844909
587.319991	2080.647854	4.69573E-05	0.027578975
587.359991	1437.310693	3.24381E-05	0.019052842
587.399991	909.036432	2.05157E-05	0.012050914
587.439991	550.307584	1.24197E-05	0.007295814
587.479991	357.783358	8.07467E-06	0.004743708
587.519991	310.473172	7.00695E-06	0.004116721
587.559991	319.941662	7.22064E-06	0.004242558
587.599991	377.720015	8.52461E-06	0.005009063
587.639991	427.639104	9.65122E-06	0.005671442
587.679991	435.87073	9.837E-06	0.005781005
587.719991	436.37169	9.8483E-06	0.005788044
587.759991	389.731716	8.7957E-06	0.005169762
587.799991	304.903145	6.88124E-06	0.004044792
587.839991	260.579933	5.88093E-06	0.003457044
587.879991	283.309072	6.39389E-06	0.003758841
587.919991	372.27085	8.40163E-06	0.004939489

587.959991	497.633124	1.12309E-05	0.006603312
587.999991	722.349863	1.63024E-05	0.009585829
588.039991	1169.903494	2.64031E-05	0.015526074
588.079991	1847.139498	4.16874E-05	0.024515506
588.119991	2506.590553	5.65703E-05	0.033270099
588.159991	2936.237122	6.62668E-05	0.03897547
588.199991	3063.397887	6.91366E-05	0.040666161
588.239991	2795.441764	6.30892E-05	0.037111606
588.279991	2318.04892	5.23151E-05	0.030775947
588.319991	1791.413887	4.04297E-05	0.02378561
588.359991	1275.236131	2.87803E-05	0.016933179
588.399991	846.93172	1.91141E-05	0.011246718
588.439991	595.652439	1.3443E-05	0.007910426
588.479991	454.981307	1.02683E-05	0.006042686
588.519991	410.268795	9.2592E-06	0.005449222
588.559991	442.963182	9.99706E-06	0.005883871
588.599991	563.126555	1.2709E-05	0.007480507
588.639991	672.167143	1.51699E-05	0.008929596
588.679991	689.449426	1.55599E-05	0.00915981
588.719991	621.532742	1.40271E-05	0.008258051
588.759991	501.888098	1.13269E-05	0.006668835
588.799991	404.592036	9.13108E-06	0.005376379
588.839991	345.836844	7.80506E-06	0.004595929
588.879991	381.776626	8.61617E-06	0.005073888
588.919991	493.239417	1.11317E-05	0.006555696
588.959991	718.552408	1.62167E-05	0.009551003
588.999991	1161.78291	2.62198E-05	0.015443475
589.039991	1898.149644	4.28386E-05	0.025233645
589.079991	2820.675148	6.36587E-05	0.037500072
589.119991	3705.297316	8.36234E-05	0.049264216
589.159991	4324.082419	9.75885E-05	0.05749525
589.199991	4508.090166	0.000101741	0.059945982
589.239991	4209.447315	9.50014E-05	0.055978602
589.279991	3535.331768	7.97875E-05	0.047017185
589.319991	2667.138324	6.01936E-05	0.03547329
589.359991	1771.177743	3.9973E-05	0.023558496
589.399991	1062.921837	2.39887E-05	0.014138919
589.439991	638.677686	1.44141E-05	0.008496227
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589.559991	400.13145	9.03041E-06	0.005323968
589.599991	452.124168	1.02038E-05	0.006016168
589.639991	476.960846	1.07643E-05	0.006347086
589.679991	474.693982	1.07132E-05	0.006317349
589.719991	465.292971	1.0501E-05	0.006192658
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590.199991	3163.496764	7.13957E-05	0.042137751
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590.279991	2455.523847	5.54178E-05	0.032711991
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590.719991	480.331351	1.08404E-05	0.006403647
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591.239991	4163.963201	9.39748E-05	0.055561689
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591.319991	2748.955637	6.20401E-05	0.036685551
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592.879991	536.162856	1.21004E-05	0.007174114
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596.679991	843.726911	1.90417E-05	0.011361826
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596.759991	638.497992	1.441E-05	0.008599318
596.799991	546.148617	1.23258E-05	0.007356045
596.839991	491.139746	1.10843E-05	0.006615577
596.879991	551.433704	1.24451E-05	0.007428226
596.919991	772.191799	1.74273E-05	0.0104027
596.959991	1127.81692	2.54533E-05	0.015194576
596.999991	1691.141668	3.81667E-05	0.022785527
597.039991	2669.896073	6.02558E-05	0.035975143
597.079991	4003.16822	9.03459E-05	0.053943748
597.119991	5243.814704	0.000118346	0.07066652

597.159991	6045.742583	0.000136444	0.081478891
597.199991	6110.47505	0.000137905	0.082356811
597.239991	5423.819884	0.000122408	0.073106989
597.279991	4229.288929	9.54492E-05	0.057009874
597.319991	3020.828135	6.81759E-05	0.040722818
597.359991	2002.457725	4.51927E-05	0.0269963
597.399991	1258.99281	2.84137E-05	0.016974353
597.439991	766.592563	1.73009E-05	0.010336265
597.479991	494.863394	1.11684E-05	0.006672882
597.519991	395.516086	8.92625E-06	0.005333611
597.559991	420.902499	9.49918E-06	0.005676332
597.599991	487.318175	1.09981E-05	0.00657246
597.639991	552.777331	1.24754E-05	0.007455807
597.679991	570.103012	1.28664E-05	0.007690008
597.719991	531.337393	1.19915E-05	0.007167586
597.759991	454.254803	1.02519E-05	0.006128175
597.799991	373.664785	8.43309E-06	0.005041303
597.839991	334.302001	7.54473E-06	0.004510542
597.879991	330.434108	7.45744E-06	0.004458653
597.919991	370.700677	8.3662E-06	0.005002317
597.959991	519.778419	1.17307E-05	0.007014474
597.999991	867.331034	1.95745E-05	0.011705523
598.039991	1369.692974	3.09121E-05	0.01848665
598.079991	1953.014801	4.40768E-05	0.026361466
598.119991	2622.741039	5.91916E-05	0.035403686
598.159991	3090.360335	6.97451E-05	0.041718745
598.199991	3185.786683	7.18988E-05	0.043009842
598.239991	2972.071836	6.70755E-05	0.040127259
598.279991	2498.329962	5.63838E-05	0.033733316
598.319991	1904.663101	4.29856E-05	0.02571914
598.359991	1335.067799	3.01306E-05	0.018028958
598.399991	877.872395	1.98124E-05	0.011855714
598.439991	549.649043	1.24048E-05	0.007423536
598.479991	361.372147	8.15567E-06	0.004881003
598.519991	330.374613	7.45609E-06	0.004462622
598.559991	388.955478	8.77818E-06	0.005254269
598.599991	456.270265	1.02974E-05	0.006164014
598.639991	502.130955	1.13324E-05	0.006784026
598.679991	492.683311	1.11192E-05	0.006656828
598.719991	447.418837	1.00976E-05	0.006045647
598.759991	419.007719	9.45642E-06	0.005662126
598.799991	417.074218	9.41278E-06	0.005636375
598.839991	424.832398	9.58788E-06	0.005741603
598.879991	459.970225	1.03809E-05	0.006216906
598.919991	556.009779	1.25484E-05	0.007515467
598.959991	813.304072	1.83551E-05	0.010993995

598.999991	1261.802185	2.84771E-05	0.017057793
599.039991	1905.560126	4.30058E-05	0.025762217
599.079991	2716.338946	6.1304E-05	0.036725992
599.119991	3509.985316	7.92155E-05	0.047459577
599.159991	3929.230946	8.86773E-05	0.053131872
599.199991	3965.05613	8.94858E-05	0.053619887
599.239991	3731.202915	8.42081E-05	0.050460833
599.279991	3173.114886	7.16128E-05	0.042916108
599.319991	2430.475588	5.48524E-05	0.032874169
599.359991	1692.158076	3.81897E-05	0.022889349
599.399991	1081.097636	2.43989E-05	0.014624681
599.439991	666.138057	1.50338E-05	0.009011866
599.479991	443.635452	1.00122E-05	0.006002134
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599.559991	362.640624	8.18429E-06	0.004906975
599.599991	438.715761	9.9012E-06	0.005936762
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599.679991	481.934983	1.08766E-05	0.00652248
599.719991	442.231618	9.98055E-06	0.005985536
599.759991	386.759432	8.72862E-06	0.005235078
599.799991	308.440733	6.96108E-06	0.004175254
599.839991	250.210158	5.64689E-06	0.003387233
599.879991	255.569834	5.76786E-06	0.003460021
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600.319991	1688.231321	3.8101E-05	0.02287281
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601.159991	3308.941563	7.46782E-05	0.044893547
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601.239991	3159.184205	7.12984E-05	0.042867442
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608.479991	537.940625	1.21406E-05	0.007387294
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608.599991	504.784161	1.13923E-05	0.006933339
608.639991	568.381621	1.28276E-05	0.007807379
608.679991	596.067081	1.34524E-05	0.008188209
608.719991	578.664079	1.30596E-05	0.007949665
608.759991	556.806026	1.25663E-05	0.007649883
608.799991	536.308912	1.21037E-05	0.00736876
608.839991	527.326426	1.1901E-05	0.007245819
608.879991	564.5139	1.27403E-05	0.007757309
608.919991	749.889985	1.6924E-05	0.010305345
608.959991	1077.443043	2.43164E-05	0.014807708
608.999991	1585.961414	3.57929E-05	0.0217979
609.039991	2400.957194	5.41863E-05	0.033001599
609.079991	3520.95763	7.94631E-05	0.04839939
609.119991	4640.582588	0.000104731	0.063794041
609.159991	5272.755197	0.000118999	0.072489272
609.199991	5232.646423	0.000118094	0.071942584
609.239991	4718.633959	0.000106493	0.064879792
609.279991	3843.642612	8.67457E-05	0.052852395
609.319991	2812.110828	6.34654E-05	0.038670752
609.359991	1911.192517	4.3133E-05	0.026283496
609.399991	1225.50324	2.76579E-05	0.016854725
609.439991	763.693678	1.72355E-05	0.010504005
609.479991	486.055859	1.09696E-05	0.006685754
609.519991	377.692757	8.524E-06	0.005195548
609.559991	384.561094	8.67901E-06	0.005290376
609.599991	446.134457	1.00686E-05	0.006137839
609.639991	468.145461	1.05654E-05	0.006441085
609.679991	455.302155	1.02755E-05	0.006264788
609.719991	456.674664	1.03065E-05	0.006284086
609.759991	448.962036	1.01324E-05	0.006178361
609.799991	403.655087	9.10993E-06	0.005555237
609.839991	352.873046	7.96385E-06	0.004856676
609.879991	355.73192	8.02837E-06	0.004896345
609.919991	429.004755	9.68204E-06	0.00590527
609.959991	589.632224	1.33072E-05	0.008116846
609.999991	865.349969	1.95297E-05	0.011913143

610.039991	1267.167534	2.85982E-05	0.017446049
610.079991	1773.509411	4.00256E-05	0.02441884
610.119991	2295.058533	5.17963E-05	0.031601942
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610.239991	2642.566389	5.9639E-05	0.036394129
610.279991	2222.795411	5.01654E-05	0.030614938
610.319991	1712.463851	3.86479E-05	0.023587601
610.359991	1208.654028	2.72776E-05	0.016649179
610.399991	790.783286	1.78469E-05	0.010893734
610.439991	524.217801	1.18309E-05	0.007222033
610.479991	397.781491	8.97737E-06	0.005480507
610.519991	377.460114	8.51875E-06	0.005200867
610.559991	424.496332	9.58029E-06	0.005849342
610.599991	481.493086	1.08666E-05	0.006635163
610.639991	549.215078	1.2395E-05	0.007568894
610.679991	606.499679	1.36879E-05	0.008358898
610.719991	566.907301	1.27943E-05	0.00781374
610.759991	540.366203	1.21953E-05	0.007448409
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610.839991	485.671873	1.09609E-05	0.006695379
610.879991	545.798324	1.23179E-05	0.007524763
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610.999991	1485.37686	3.35229E-05	0.020482484
611.039991	2298.107802	5.18651E-05	0.031691645
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613.079991	2495.676968	5.6324E-05	0.034531089
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613.199991	3825.942417	8.63462E-05	0.052947484
613.239991	3593.331436	8.10965E-05	0.049731608
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620.399991	1489.331748	3.36121E-05	0.020852973
620.439991	1154.485716	2.60551E-05	0.016165647
620.479991	840.910794	1.89782E-05	0.011775584
620.519991	580.341384	1.30975E-05	0.008127259
620.559991	429.878319	9.70175E-06	0.006020521
620.599991	419.126777	9.45911E-06	0.005870322
620.639991	448.606402	1.01244E-05	0.006283621
620.679991	466.142681	1.05202E-05	0.006529672
620.719991	464.327401	1.04792E-05	0.006504663
620.759991	431.270561	9.73318E-06	0.006041966
620.799991	400.965766	9.04924E-06	0.005617767
620.839991	353.029519	7.96738E-06	0.004946471
620.879991	327.310323	7.38694E-06	0.004586402
620.919991	373.423272	8.42764E-06	0.005232892
620.959991	525.647512	1.18631E-05	0.00736653
620.999991	845.822325	1.9089E-05	0.011854289
621.039991	1415.057791	3.19359E-05	0.019833461

621.079991	2123.409854	4.79224E-05	0.029763645
621.119991	2900.237601	6.54543E-05	0.040654988
621.159991	3456.732591	7.80136E-05	0.048458952
621.199991	3656.300616	8.25176E-05	0.05125994
621.239991	3545.538779	8.00179E-05	0.049710302
621.279991	3132.497068	7.06961E-05	0.04392207
621.319991	2523.864692	5.69601E-05	0.035390455
621.359991	1901.732403	4.29195E-05	0.02666843
621.399991	1358.614532	3.0662E-05	0.01905339
621.439991	917.424203	2.0705E-05	0.012866907
621.479991	612.024025	1.38125E-05	0.008584211
621.519991	435.883758	9.83729E-06	0.006114072
621.559991	359.401683	8.1112E-06	0.005041595
621.599991	370.07286	8.35203E-06	0.005191621
621.639991	418.546893	9.44602E-06	0.005872024
621.679991	454.04208	1.02471E-05	0.006370415
621.719991	456.880352	1.03112E-05	0.00641065
621.759991	442.105338	9.9777E-06	0.006203736
621.799991	395.218057	8.91952E-06	0.005546158
621.839991	311.960407	7.04051E-06	0.004378072
621.879991	253.175346	5.71381E-06	0.003553307
621.919991	249.483217	5.63049E-06	0.003501713
621.959991	323.734768	7.30624E-06	0.004544191
621.999991	517.466112	1.16785E-05	0.00726402
622.039991	844.851739	1.90671E-05	0.011860515
622.079991	1288.546799	2.90807E-05	0.018090526
622.119991	1779.936215	4.01707E-05	0.024990984
622.159991	2230.719118	5.03442E-05	0.031322162
622.199991	2440.290735	5.5074E-05	0.034267019
622.239991	2309.342762	5.21186E-05	0.032430308
622.279991	1993.066975	4.49807E-05	0.027990618
622.319991	1643.191042	3.70845E-05	0.023078446
622.359991	1272.380385	2.87159E-05	0.017871598
622.399991	908.653542	2.0507E-05	0.012763584
622.439991	637.256786	1.4382E-05	0.008951931
622.479991	458.153537	1.03399E-05	0.006436373
622.519991	370.752054	8.36736E-06	0.005208847
622.559991	365.324851	8.24487E-06	0.005132928
622.599991	383.293864	8.65041E-06	0.005385744
622.639991	427.268306	9.64285E-06	0.006004024
622.679991	478.67527	1.0803E-05	0.006726833
622.719991	478.188955	1.07921E-05	0.006720431
622.759991	430.136511	9.70758E-06	0.006045494
622.799991	373.724862	8.43445E-06	0.005252975
622.839991	336.187808	7.58729E-06	0.004725668
622.879991	336.763944	7.60029E-06	0.004734071

622.919991	407.963392	9.20717E-06	0.005735327
622.959991	556.899588	1.25684E-05	0.00782964
622.999991	916.399213	2.06819E-05	0.012884795
623.039991	1572.84392	3.54969E-05	0.022115986
623.079991	2566.824148	5.79296E-05	0.036094803
623.119991	3735.330641	8.43012E-05	0.052529769
623.159991	4711.584297	0.000106334	0.066263029
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623.239991	5193.071648	0.0001172	0.073043972
623.279991	4623.105689	0.000104337	0.065031199
623.319991	3643.809168	8.22357E-05	0.051259154
623.359991	2493.555902	5.62761E-05	0.035080259
623.399991	1521.603406	3.43405E-05	0.021407848
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623.479991	514.037908	1.16011E-05	0.007233066
623.519991	360.230745	8.12991E-06	0.005069159
623.559991	353.736806	7.98335E-06	0.004978096
623.599991	398.671775	8.99747E-06	0.00561082
623.639991	438.719921	9.9013E-06	0.006174845
623.679991	481.228946	1.08607E-05	0.006773581
623.719991	475.789748	1.07379E-05	0.00669745
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623.919991	359.474636	8.11284E-06	0.005061764
623.959991	404.320342	9.12495E-06	0.005693602
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624.119991	1920.841319	4.33507E-05	0.027056047
624.159991	2469.784975	5.57396E-05	0.034790432
624.199991	2720.98187	6.14088E-05	0.038331354
624.239991	2730.006089	6.16124E-05	0.038460946
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624.319991	1961.30999	4.4264E-05	0.027634922
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624.479991	567.349111	1.28043E-05	0.007996016
624.519991	513.750631	1.15946E-05	0.007241082
624.559991	558.330603	1.26007E-05	0.007869921
624.599991	654.515959	1.47715E-05	0.009226287
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624.679991	781.259661	1.76319E-05	0.011014322
624.719991	783.117012	1.76739E-05	0.011041214

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624.799991	771.395293	1.74093E-05	0.010877341
624.839991	860.279807	1.94153E-05	0.012131466
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625.19999	8191.970311	0.000184881	0.115587824
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632.31999	1740.097546	3.92716E-05	0.024832204
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632.39999	905.261342	2.04305E-05	0.01292024
632.43999	598.956432	1.35176E-05	0.008549079
632.47999	404.493029	9.12884E-06	0.005773811
632.51999	325.029706	7.33547E-06	0.00463983
632.55999	320.422013	7.23148E-06	0.004574344
632.59999	373.246313	8.42365E-06	0.005328801
632.63999	437.408715	9.87171E-06	0.006245236
632.67999	452.677847	1.02163E-05	0.006463654
632.71999	445.059162	1.00444E-05	0.006355271
632.75999	418.468279	9.44425E-06	0.005975941
632.79999	379.304362	8.56037E-06	0.005417003
632.83999	332.481354	7.50364E-06	0.004748604
632.87999	366.069366	8.26168E-06	0.005228649
632.91999	483.034263	1.09014E-05	0.006899721
632.95999	713.650504	1.61061E-05	0.010194516
632.99999	1140.217324	2.57331E-05	0.016289063
633.03999	1771.948671	3.99904E-05	0.025315531
633.07999	2588.137367	5.84107E-05	0.036978617
633.11999	3336.178311	7.52929E-05	0.047669439
633.15999	3788.098144	8.54921E-05	0.054130176
633.19999	3808.601839	8.59548E-05	0.054426603
633.23999	3474.530772	7.84153E-05	0.049655716
633.27999	2881.738303	6.50368E-05	0.041186516
633.31999	2224.779272	5.02102E-05	0.031799104
633.35999	1624.523678	3.66632E-05	0.023221027
633.39999	1125.182847	2.53938E-05	0.016084439
633.43999	724.504888	1.63511E-05	0.010357419
633.47999	478.371239	1.07962E-05	0.006839159
633.51999	406.093183	9.16496E-06	0.005806184
633.55999	423.228408	9.55168E-06	0.00605156
633.59999	464.998564	1.04944E-05	0.006649233
633.63999	467.673568	1.05547E-05	0.006687906
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633.71999	432.524739	9.76148E-06	0.006186046
633.75999	389.246075	8.78474E-06	0.005567418
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633.83999	295.33799	6.66537E-06	0.004224776
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644.63999	492.523759	1.11156E-05	0.007165544
644.67999	550.042894	1.24137E-05	0.008002865
644.71999	533.476183	1.20398E-05	0.007762309
644.75999	472.317274	1.06595E-05	0.006872847
644.79999	417.985599	9.43335E-06	0.006082626
644.83999	362.287719	8.17633E-06	0.005272424
644.87999	338.308309	7.63515E-06	0.004923754
644.91999	402.243227	9.07807E-06	0.005854628
644.95999	533.237946	1.20344E-05	0.007761731

644.99999	775.426278	1.75003E-05	0.011287688
645.03999	1214.814357	2.74167E-05	0.017684847
645.07999	1829.500726	4.12893E-05	0.02663489
645.11999	2496.219941	5.63362E-05	0.036343613
645.15999	2941.113937	6.63768E-05	0.042823685
645.19999	3028.675434	6.8353E-05	0.044101346
645.23999	2879.005312	6.49751E-05	0.041924559
645.27999	2526.924466	5.70292E-05	0.036799779
645.31999	2053.418874	4.63428E-05	0.029905938
645.35999	1539.56368	3.47458E-05	0.022423554
645.39999	1016.366876	2.2938E-05	0.014804175
645.43999	644.172669	1.45381E-05	0.009383458
645.47999	439.298684	9.91436E-06	0.006399521
645.51999	354.276324	7.99552E-06	0.00516127
645.55999	349.967115	7.89827E-06	0.005098807
645.59999	373.139396	8.42124E-06	0.00543675
645.63999	414.6507	9.35809E-06	0.006041956
645.67999	471.483001	1.06407E-05	0.006870497
645.71999	440.720545	9.94645E-06	0.006422621
645.75999	388.75595	8.77368E-06	0.005665692
645.79999	347.191833	7.83564E-06	0.005060254
645.83999	306.450166	6.91615E-06	0.004466728
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645.95999	383.270609	8.64988E-06	0.005587479
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646.07999	1227.99621	2.77142E-05	0.017905567
646.11999	1553.315218	3.50562E-05	0.022650486
646.15999	1872.742728	4.22652E-05	0.027310078
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656.87999	424.218216	9.57401E-06	0.006288978
656.91999	475.572108	1.0733E-05	0.007050722
656.95999	639.324696	1.44287E-05	0.009479058
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657.03999	1451.060395	3.27484E-05	0.021517016
657.07999	2145.612327	4.84235E-05	0.031818101
657.11999	2807.662013	6.3365E-05	0.041638422
657.15999	3233.32245	7.29716E-05	0.047954005
657.19999	3338.151536	7.53374E-05	0.049511759
657.23999	3096.783712	6.98901E-05	0.045934565
657.27999	2612.378407	5.89577E-05	0.038751744
657.31999	2100.761318	4.74113E-05	0.031164367
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657.43999	754.281941	1.70231E-05	0.011191662
657.47999	512.344707	1.15629E-05	0.00760238
657.51999	385.823258	8.70749E-06	0.005725351
657.55999	349.487408	7.88744E-06	0.005186468
657.59999	361.380386	8.15585E-06	0.005363288
657.63999	392.658191	8.86175E-06	0.00582784
657.67999	428.338511	9.667E-06	0.006357795
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657.75999	423.821865	9.56507E-06	0.00629152
657.79999	372.615165	8.40941E-06	0.005531707
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657.87999	272.468177	6.14923E-06	0.004045454
657.91999	302.020422	6.81618E-06	0.004484501
657.95999	372.04592	8.39656E-06	0.005524599
657.99999	547.665409	1.236E-05	0.00813291
658.03999	802.372156	1.81084E-05	0.011916066
658.07999	1166.871452	2.63347E-05	0.017330315
658.11999	1580.699609	3.56742E-05	0.023477897
658.15999	1887.455159	4.25972E-05	0.028035795
658.19999	2003.928347	4.52259E-05	0.029767668
658.23999	1923.330529	4.34069E-05	0.028572152
658.27999	1694.027296	3.82318E-05	0.025167253
658.31999	1409.342147	3.18069E-05	0.020939111
658.35999	1076.74252	2.43006E-05	0.015998529
658.39999	752.183208	1.69757E-05	0.011176819
658.43999	542.957042	1.22538E-05	0.008068382
658.47999	431.590834	9.7404E-06	0.006413861
658.51999	353.316825	7.97387E-06	0.005250952
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658.87999	361.11371	8.14983E-06	0.005369762
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659.07999	1782.638811	4.02317E-05	0.026515892
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668.91999	507.597879	1.14558E-05	0.007662998
668.95999	639.568234	1.44342E-05	0.009655878
668.99999	887.892574	2.00385E-05	0.013405755
669.03999	1297.674395	2.92867E-05	0.019593976
669.07999	1853.959305	4.18413E-05	0.027995163
669.11999	2488.974956	5.61727E-05	0.037586275
669.15999	3022.808183	6.82206E-05	0.045650476
669.19999	3168.782508	7.1515E-05	0.047857842
669.23999	2925.08992	6.60152E-05	0.044180015
669.27999	2490.105857	5.61982E-05	0.037612345
669.31999	1964.783803	4.43424E-05	0.029679277
669.35999	1431.315526	3.23028E-05	0.0216222
669.39999	979.41017	2.21039E-05	0.014796366
669.43999	665.727324	1.50245E-05	0.010058027
669.47999	440.238011	9.93556E-06	0.006651658
669.51999	318.283765	7.18322E-06	0.00480931
669.55999	318.576271	7.18982E-06	0.004814018
669.59999	429.798201	9.69995E-06	0.006495084
669.63999	556.922386	1.2569E-05	0.00841668
669.67999	606.013418	1.36769E-05	0.009159132
669.71999	555.271633	1.25317E-05	0.008392735
669.75999	467.672325	1.05547E-05	0.007069124
669.799989	415.633811	9.38028E-06	0.006282909
669.839989	352.958544	7.96578E-06	0.0053358
669.879989	326.576088	7.37037E-06	0.004937262
669.919989	355.389916	8.02066E-06	0.005373197
669.959989	419.806076	9.47444E-06	0.006347495
669.999989	543.152852	1.22582E-05	0.008212996
670.039989	776.115908	1.75159E-05	0.011736323
670.079989	1099.250473	2.48086E-05	0.016623714
670.119989	1501.382446	3.38841E-05	0.02270642
670.159989	1882.578701	4.24872E-05	0.028473207
670.199989	2056.268607	4.64071E-05	0.03110205
670.239989	2057.859375	4.6443E-05	0.031127969
670.279989	1879.970782	4.24283E-05	0.028438855
670.319989	1523.527908	3.43839E-05	0.023048217
670.359989	1149.400598	2.59404E-05	0.017389386
670.399989	811.879048	1.8323E-05	0.012283725
670.439989	572.156641	1.29128E-05	0.008657243
670.479989	435.258603	9.82318E-06	0.006586246
670.519989	357.048394	8.05808E-06	0.005403107
670.559989	372.00515	8.39564E-06	0.005629779
670.599989	436.265036	9.84589E-06	0.006602657
670.639989	496.117798	1.11967E-05	0.007508946
670.679989	515.099078	1.16251E-05	0.007796701
670.719989	509.259715	1.14933E-05	0.007708774

670.759989	474.017759	1.06979E-05	0.007175737
670.799989	443.428112	1.00076E-05	0.006713068
670.839989	413.961233	9.34253E-06	0.006267342
670.879989	409.730981	9.24706E-06	0.006203666
670.919989	452.396703	1.021E-05	0.006850069
670.959989	606.727029	1.3693E-05	0.009187444
670.999989	893.506543	2.01652E-05	0.013530848
671.039989	1242.429193	2.80399E-05	0.018815892
671.079989	1692.4876	3.81971E-05	0.025633301
671.119989	2209.484523	4.9865E-05	0.03346539
671.159989	2681.688647	6.0522E-05	0.04061993
671.199989	2992.574832	6.75382E-05	0.04533167
671.239989	2945.358388	6.64726E-05	0.044619092
671.279989	2534.947736	5.72102E-05	0.038404089
671.319989	1935.105761	4.36726E-05	0.029318317
671.359989	1409.151641	3.18026E-05	0.021350986
671.399989	990.053499	2.23441E-05	0.015001848
671.439989	682.109415	1.53943E-05	0.010336321
671.479989	491.864675	1.11007E-05	0.007453898
671.519989	405.685695	9.15576E-06	0.006148277
671.559989	386.38391	8.72015E-06	0.005856102
671.599989	401.093132	9.05211E-06	0.006079399
671.639989	448.124469	1.01135E-05	0.006792661
671.679989	444.742113	1.00372E-05	0.006741793
671.719989	405.776715	9.15782E-06	0.006151488
671.759989	372.772126	8.41295E-06	0.005651482
671.799989	351.357042	7.92964E-06	0.005327131
671.839989	328.733024	7.41905E-06	0.004984412
671.879989	318.907031	7.19729E-06	0.004835713
671.919989	340.252742	7.67903E-06	0.005159694
671.959989	392.005165	8.84701E-06	0.005944837
671.999989	525.071698	1.18501E-05	0.007963292
672.039989	741.899391	1.67436E-05	0.011252393
672.079989	1072.865594	2.42131E-05	0.016273128
672.119989	1497.405204	3.37943E-05	0.022713858
672.159989	1837.241387	4.1464E-05	0.027870428
672.199989	1971.814391	4.45011E-05	0.029913642
672.239989	1867.120564	4.21383E-05	0.028327057
672.279989	1662.417239	3.75184E-05	0.025222897
672.319989	1430.644252	3.22876E-05	0.021707631
672.359989	1118.876917	2.52515E-05	0.016978094
672.399989	831.436555	1.87644E-05	0.012617159
672.439989	607.291124	1.37057E-05	0.009216271
672.479989	433.666115	9.78724E-06	0.006581723
672.519989	378.420896	8.54043E-06	0.005743612
672.559989	382.550568	8.63363E-06	0.005806636

672.599989	384.797375	8.68434E-06	0.005841088
672.639989	421.617639	9.51532E-06	0.006400387
672.679989	482.023918	1.08786E-05	0.007317822
672.719989	519.440058	1.1723E-05	0.007886322
672.759989	486.625473	1.09825E-05	0.007388559
672.799989	445.252557	1.00487E-05	0.006760785
672.839989	430.956111	9.72608E-06	0.006544095
672.879989	397.101174	8.96202E-06	0.006030364
672.919989	404.006094	9.11785E-06	0.006135587
672.959989	550.317436	1.24199E-05	0.008358094
672.999989	832.324567	1.87844E-05	0.012641905
673.039989	1235.595611	2.78857E-05	0.018768172
673.079989	1750.544419	3.95073E-05	0.026591606
673.119989	2274.701954	5.13369E-05	0.034555863
673.159989	2700.354093	6.09432E-05	0.041024544
673.199989	2950.386512	6.65861E-05	0.044825771
673.239989	2905.911702	6.55824E-05	0.04415268
673.279989	2623.889655	5.92175E-05	0.039869981
673.319989	2254.097163	5.08718E-05	0.034253022
673.359989	1809.299728	4.08334E-05	0.027495561
673.399989	1316.975781	2.97223E-05	0.020015003
673.439989	894.970961	2.01982E-05	0.013602308
673.479989	624.636133	1.40972E-05	0.00949416
673.519989	464.084584	1.04737E-05	0.007054275
673.559989	390.356942	8.80981E-06	0.005933937
673.599989	419.357482	9.46431E-06	0.006375162
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673.679989	501.668143	1.1322E-05	0.007627372
673.719989	452.241594	1.02065E-05	0.006876298
673.759989	394.985589	8.91427E-06	0.006006082
673.799989	343.632753	7.75531E-06	0.00522553
673.839989	312.800609	7.05947E-06	0.004756956
673.879989	285.717059	6.44824E-06	0.004345337
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674.039989	720.639544	1.62638E-05	0.010962472
674.079989	1042.186504	2.35207E-05	0.015854832
674.119989	1404.965842	3.17081E-05	0.021375079
674.159989	1727.939551	3.89972E-05	0.026290344
674.199989	1858.514114	4.19441E-05	0.028278695
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674.279989	1724.611555	3.89221E-05	0.02624438
674.319989	1441.379389	3.25299E-05	0.021935579
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674.399989	792.305232	1.78812E-05	0.012059098

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675.159989	2278.044941	5.14123E-05	0.034711529
675.199989	2482.529435	5.60272E-05	0.037829586
675.239989	2529.822423	5.70946E-05	0.038552536
675.279989	2402.311582	5.42168E-05	0.036611538
675.319989	2080.118745	4.69454E-05	0.031703155
675.359989	1630.896187	3.68071E-05	0.024858012
675.399989	1164.082769	2.62717E-05	0.017743924
675.439989	807.607788	1.82266E-05	0.012310963
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676.039989	648.817671	1.46429E-05	0.009899193
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676.119989	1310.243938	2.95704E-05	0.019993125
676.159989	1568.119378	3.53903E-05	0.023929485
676.199989	1761.077768	3.97451E-05	0.026875617
676.239989	1787.973326	4.03521E-05	0.027287682

676.279989	1628.510038	3.67532E-05	0.024855456
676.319989	1355.616941	3.05944E-05	0.020691595
676.359989	1050.320796	2.37043E-05	0.016032625
676.399989	755.975162	1.70613E-05	0.011540267
676.439989	524.977043	1.1848E-05	0.008014461
676.479989	385.093994	8.69104E-06	0.005879311
676.519989	339.725458	7.66713E-06	0.005186967
676.559989	318.111439	7.17933E-06	0.004857249
676.599989	333.22142	7.52034E-06	0.005088264
676.639989	380.012386	8.57635E-06	0.005803102
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676.839989	357.214925	8.06184E-06	0.005456578
676.879989	382.693195	8.63685E-06	0.005846113
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677.039989	1273.457409	2.87402E-05	0.019458238
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677.119989	2477.943673	5.59237E-05	0.03786708
677.159989	2948.466927	6.65428E-05	0.045060116
677.199989	3145.863336	7.09978E-05	0.048079678
677.239989	2910.221508	6.56796E-05	0.044480883
677.279989	2419.441276	5.46034E-05	0.036981803
677.319989	1984.815844	4.47945E-05	0.03034023
677.359989	1556.056637	3.5118E-05	0.023787549
677.399989	1115.996251	2.51865E-05	0.017061322
677.439989	732.122473	1.6523E-05	0.01119333
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677.519989	408.890825	9.2281E-06	0.00625222
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677.719989	655.496886	1.47937E-05	0.010025953
677.759989	572.915316	1.29299E-05	0.008763369
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677.879989	298.521158	6.73721E-06	0.004567018
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678.279989	1789.459462	4.03856E-05	0.027392749
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678.679989	552.47484	1.24686E-05	0.008462181
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678.759989	516.749742	1.16623E-05	0.007915917
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678.879989	372.45399	8.40577E-06	0.005706508
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679.359989	1486.431319	3.35467E-05	0.022790275
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679.479989	604.054259	1.36327E-05	0.009263122
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679.759989	434.320719	9.80201E-06	0.006663017
679.799989	384.814954	8.68474E-06	0.005903884
679.839989	331.018635	7.47063E-06	0.005078833
679.879989	282.002452	6.3644E-06	0.00432703
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680.239989	1803.767489	4.07085E-05	0.027691563
680.279989	1678.867965	3.78897E-05	0.025775613
680.319989	1416.683741	3.19726E-05	0.021751584
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680.399989	872.227179	1.9685E-05	0.013393641
680.439989	670.877027	1.51408E-05	0.010302379
680.479989	539.908746	1.2185E-05	0.008291641
680.519989	425.784068	9.60935E-06	0.006539357
680.559989	358.694749	8.09524E-06	0.005509297
680.599989	353.737895	7.98337E-06	0.005433483
680.639989	370.086807	8.35234E-06	0.005684939
680.679989	422.968804	9.54582E-06	0.006497646
680.719989	446.237668	1.0071E-05	0.006855506
680.759989	429.634892	9.69626E-06	0.006600827
680.799989	423.158825	9.55011E-06	0.006501712
680.839989	415.272045	9.37211E-06	0.006380908
680.879989	404.548929	9.13011E-06	0.006216506
680.919989	431.010381	9.7273E-06	0.006623516
680.959989	538.243575	1.21474E-05	0.008271899
680.999989	807.056605	1.82141E-05	0.012403831
681.039989	1170.845485	2.64244E-05	0.01799604
681.079989	1586.041814	3.57948E-05	0.024379091
681.119989	2056.629262	4.64153E-05	0.03161436
681.159989	2500.53805	5.64337E-05	0.038440352
681.199989	2762.850998	6.23537E-05	0.042475339
681.239989	2705.330806	6.10555E-05	0.041593481
681.279989	2406.514931	5.43117E-05	0.037001468
681.319989	1998.393375	4.5101E-05	0.030728182
681.359989	1527.893427	3.44824E-05	0.023494946
681.399989	1154.448183	2.60543E-05	0.017753391
681.439989	850.596855	1.91968E-05	0.013081458
681.479989	606.946614	1.36979E-05	0.009334872
681.519989	451.768263	1.01958E-05	0.006948628
681.559989	405.977784	9.16235E-06	0.006244693
681.599989	427.257499	9.64261E-06	0.006572401
681.639989	425.479279	9.60247E-06	0.006545431
681.679989	423.357761	9.55459E-06	0.006513176
681.719989	424.529791	9.58105E-06	0.006531591
681.759989	425.898284	9.61193E-06	0.00655303

681.799989	403.602834	9.10875E-06	0.006210348
681.839989	336.545469	7.59536E-06	0.005178822
681.879989	297.484535	6.71381E-06	0.004578014
681.919989	317.375048	7.16271E-06	0.004884397
681.959989	352.858973	7.96354E-06	0.005430813
681.999989	445.008143	1.00432E-05	0.006849472
682.039989	663.270581	1.49691E-05	0.01020952
682.079989	954.448573	2.15406E-05	0.014692395
682.119989	1241.476043	2.80184E-05	0.019111901
682.159989	1519.141532	3.42849E-05	0.023387793
682.199989	1700.140088	3.83698E-05	0.026175873
682.239989	1713.321983	3.86673E-05	0.026380372
682.279989	1596.089572	3.60215E-05	0.024576761
682.319989	1371.54758	3.09539E-05	0.021120477
682.359989	1059.263347	2.39061E-05	0.016312565
682.399989	785.61717	1.77303E-05	0.012099146
682.439989	607.1522	1.37026E-05	0.009351188
682.479989	456.748622	1.03082E-05	0.007035127
682.519989	380.86539	8.5956E-06	0.00586667
682.559989	367.7932	8.30058E-06	0.005665644
682.599989	383.364321	8.652E-06	0.005905854
682.639989	402.203821	9.07718E-06	0.006196446
682.679989	441.073806	9.95442E-06	0.006795684
682.719989	480.845635	1.0852E-05	0.007408888
682.759989	459.708763	1.0375E-05	0.007083626
682.799989	413.372661	9.32925E-06	0.006370009
682.839989	403.070777	9.09675E-06	0.006211622
682.879989	395.600002	8.92814E-06	0.006096849
682.919989	414.988672	9.36572E-06	0.006396035
682.959989	519.287315	1.17196E-05	0.008004012
682.999989	703.478672	1.58765E-05	0.010843672
683.039989	1034.246523	2.33415E-05	0.01594318
683.079989	1492.577212	3.36854E-05	0.023009815
683.119989	1972.089303	4.45073E-05	0.030403832
683.159989	2333.710027	5.26686E-05	0.03598107
683.199989	2560.40218	5.77847E-05	0.039478514
683.239989	2524.379994	5.69717E-05	0.038925371
683.279989	2207.764256	4.98262E-05	0.034045221
683.319989	1783.47423	4.02505E-05	0.027503991
683.359989	1355.353437	3.05884E-05	0.020902915
683.399989	1039.391557	2.34576E-05	0.016030937
683.439989	814.224467	1.83759E-05	0.012558833
683.479989	647.418039	1.46113E-05	0.009986547
683.519989	533.960578	1.20507E-05	0.008236926
683.559989	479.904282	1.08308E-05	0.007403482
683.599989	473.767895	1.06923E-05	0.007309244

683.639989	486.156154	1.09719E-05	0.007500807
683.679989	493.236309	1.11317E-05	0.007610491
683.719989	471.563615	1.06425E-05	0.007276513
683.759989	444.133455	1.00235E-05	0.00685365
683.799989	420.58387	9.49199E-06	0.006490624
683.839989	360.971453	8.14662E-06	0.005570987
683.879989	326.802884	7.37549E-06	0.005043947
683.919989	359.870732	8.12178E-06	0.005554648
683.959989	425.647944	9.60628E-06	0.006570312
683.999989	553.483586	1.24914E-05	0.008544086
684.039989	771.838363	1.74193E-05	0.011915509
684.079989	1157.707552	2.61278E-05	0.017873537
684.119989	1617.064895	3.64949E-05	0.024966892
684.159989	1927.434213	4.34995E-05	0.029760621
684.199989	2106.679667	4.75448E-05	0.032530169
684.239989	2076.011401	4.68527E-05	0.032058481
684.279989	1788.461492	4.03631E-05	0.027619651
684.319989	1452.360757	3.27778E-05	0.022430476
684.359989	1180.87342	2.66507E-05	0.018238651
684.399989	900.635393	2.03261E-05	0.013911173
684.439989	676.03987	1.52573E-05	0.010442691
684.479989	545.570432	1.23128E-05	0.008427841
684.519989	484.060868	1.09246E-05	0.007478093
684.559989	456.877786	1.03111E-05	0.007058563
684.599989	480.720438	1.08492E-05	0.007427356
684.639989	536.339601	1.21044E-05	0.008287182
684.679989	527.797588	1.19117E-05	0.008155673
684.719989	481.306734	1.08624E-05	0.007437718
684.759989	437.389044	9.87126E-06	0.006759445
684.799989	394.757251	8.90912E-06	0.006100966
684.839989	352.100663	7.94642E-06	0.005442027
684.879989	328.018555	7.40292E-06	0.005070113
684.919989	363.021159	8.19288E-06	0.005611469
684.959989	492.910492	1.11243E-05	0.007619703
684.999989	742.046685	1.6747E-05	0.011471667
685.039989	1097.352961	2.47657E-05	0.016965514
685.079989	1551.431241	3.50136E-05	0.023987146
685.119989	2098.460933	4.73593E-05	0.032446831
685.159989	2548.096775	5.7507E-05	0.039401492
685.199989	2723.044875	6.14553E-05	0.042109191
685.239989	2613.538695	5.89839E-05	0.040418146
685.279989	2243.674787	5.06366E-05	0.034700259
685.319989	1799.681434	4.06163E-05	0.027835164
685.359989	1464.537067	3.30526E-05	0.022652903
685.399989	1162.042548	2.62257E-05	0.017975082
685.439989	878.789841	1.98331E-05	0.013594374

685.479989	666.81339	1.5049E-05	0.010315822
685.519989	512.133572	1.15581E-05	0.007923337
685.559989	415.022862	9.36649E-06	0.006421289
685.599989	414.265662	9.3494E-06	0.006409948
685.639989	451.96959	1.02003E-05	0.00699375
685.679989	467.871533	1.05592E-05	0.007240238
685.719989	458.968197	1.03583E-05	0.007102875
685.759989	432.922742	9.77046E-06	0.006700193
685.799989	397.691075	8.97533E-06	0.006155284
685.839989	325.435194	7.34462E-06	0.005037233
685.879989	302.206421	6.82038E-06	0.004677961
685.919989	330.367134	7.45593E-06	0.005114169
685.959989	393.294438	8.87611E-06	0.006088655
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686.039989	718.711907	1.62203E-05	0.011127793
686.079989	1040.335011	2.34789E-05	0.016108412
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686.159989	1765.001079	3.98336E-05	0.027332233
686.199989	1863.744103	4.20621E-05	0.028863018
686.239989	1752.959208	3.95618E-05	0.027148922
686.279989	1534.156788	3.46238E-05	0.023761609
686.319989	1339.649628	3.0234E-05	0.020750216
686.359989	1060.984584	2.39449E-05	0.016434852
686.399989	778.905406	1.75788E-05	0.012066095
686.439989	582.981896	1.31571E-05	0.009031552
686.479989	453.658565	1.02384E-05	0.007028485
686.519989	387.82738	8.75272E-06	0.00600892
686.559989	365.390517	8.24636E-06	0.005661617
686.599989	379.191129	8.55782E-06	0.005875796
686.639989	419.160869	9.45988E-06	0.00649553
686.679989	472.591447	1.06657E-05	0.007323944
686.719989	501.806801	1.13251E-05	0.007777159
686.759989	453.250467	1.02292E-05	0.007025027
686.799989	387.329667	8.74149E-06	0.006003656
686.839989	334.843005	7.55694E-06	0.005190409
686.879989	337.828762	7.62432E-06	0.005236996
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686.999989	693.898574	1.56603E-05	0.010758643
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687.079989	1593.300151	3.59586E-05	0.024706411
687.119989	2039.689355	4.60329E-05	0.031630159
687.159989	2367.492084	5.3431E-05	0.036715644
687.199989	2551.98397	5.75947E-05	0.039579093
687.239989	2467.763779	5.5694E-05	0.038275138
687.279989	2118.841403	4.78193E-05	0.032865247

687.319989	1702.957198	3.84334E-05	0.026416025
687.359989	1265.069014	2.85508E-05	0.019624709
687.399989	889.891819	2.00836E-05	0.013805479
687.439989	596.431222	1.34606E-05	0.00925337
687.479989	401.140207	9.05318E-06	0.006223877
687.519989	331.320818	7.47745E-06	0.005140896
687.559989	337.407267	7.61481E-06	0.00523564
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687.639989	432.24598	9.75519E-06	0.006708059
687.679989	450.859666	1.01753E-05	0.006997333
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687.759989	384.576575	8.67936E-06	0.005969315
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687.879989	264.848529	5.97726E-06	0.004111639
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688.239989	1738.730036	3.92407E-05	0.027007029
688.279989	1583.921639	3.57469E-05	0.024603879
688.319989	1278.375291	2.88511E-05	0.019858823
688.359989	1009.419992	2.27812E-05	0.015681669
688.399989	770.021167	1.73783E-05	0.011963225
688.439989	551.450396	1.24455E-05	0.008567957
688.479989	397.208764	8.96445E-06	0.006171843
688.519989	344.694369	7.77927E-06	0.005356184
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688.599989	384.166117	8.67009E-06	0.005970227
688.639989	427.681419	9.65217E-06	0.006646873
688.679989	452.590752	1.02143E-05	0.007034414
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688.759989	415.951818	9.38745E-06	0.006465702
688.799989	393.715004	8.8856E-06	0.006120401
688.839989	361.948484	8.16867E-06	0.005626909
688.879989	351.363473	7.92978E-06	0.00546267
688.919989	367.009363	8.28289E-06	0.005706249
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688.999989	737.893877	1.66532E-05	0.01147408
689.039989	1201.436251	2.71147E-05	0.018683142
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689.159989	3179.723434	7.17619E-05	0.04945545
689.199989	3404.143627	7.68268E-05	0.052949016
689.239989	3237.09777	7.30568E-05	0.05035366
689.279989	2831.887996	6.39118E-05	0.044053102
689.319989	2303.17801	5.19795E-05	0.035830522
689.359989	1682.118309	3.79631E-05	0.02617022
689.399989	1124.57855	2.53802E-05	0.01749709
689.439989	740.514993	1.67124E-05	0.011522191
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689.519989	376.070575	8.48739E-06	0.005852224
689.559989	342.325653	7.72581E-06	0.005327412
689.599989	351.215019	7.92643E-06	0.005466069
689.639989	392.228779	8.85206E-06	0.006104733
689.679989	442.58633	9.98856E-06	0.006888908
689.719989	439.600513	9.92117E-06	0.00684283
689.759989	411.550965	9.28813E-06	0.006406582
689.799989	358.091357	8.08162E-06	0.005574704
689.839989	312.269484	7.04749E-06	0.004861639
689.879989	292.790108	6.60786E-06	0.004558634
689.919989	299.490163	6.75908E-06	0.004663222
689.959989	340.187264	7.67755E-06	0.005297204
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690.039989	700.478507	1.58088E-05	0.010908721
690.079989	1081.55907	2.44093E-05	0.016844357
690.119989	1498.433183	3.38175E-05	0.023338167
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690.199989	2114.519241	4.77218E-05	0.032937554
690.239989	2166.514674	4.88952E-05	0.033749435
690.279989	1993.35525	4.49873E-05	0.031053799
690.319989	1646.289645	3.71545E-05	0.025648469
690.359989	1266.653709	2.85866E-05	0.019735052
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690.439989	641.596006	1.44799E-05	0.009997521
690.479989	460.807743	1.03998E-05	0.007180846
690.519989	373.931263	8.43911E-06	0.005827373
690.559989	361.053446	8.14847E-06	0.00562701
690.599989	358.160407	8.08318E-06	0.005582245
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690.879989	343.645312	7.7556E-06	0.005358186
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691.079989	1715.408805	3.87144E-05	0.026754738
691.119989	2234.691944	5.04339E-05	0.034855866
691.159989	2600.731009	5.86949E-05	0.04056755
691.199989	2794.038542	6.30576E-05	0.043585383
691.239989	2721.917949	6.14299E-05	0.042462801
691.279989	2429.018867	5.48196E-05	0.037895673
691.319989	2013.135374	4.54337E-05	0.031409198
691.359989	1557.441837	3.51493E-05	0.024300815
691.399989	1109.24765	2.50342E-05	0.017308628
691.439989	726.791192	1.64027E-05	0.011341458
691.479989	506.505341	1.14311E-05	0.007904391
691.519989	372.32631	8.40289E-06	0.005810764
691.559989	319.534392	7.21145E-06	0.004987148
691.599989	319.729469	7.21585E-06	0.004990481
691.639989	362.340041	8.17751E-06	0.005655893
691.679989	415.964235	9.38773E-06	0.006493307
691.719989	422.593898	9.53736E-06	0.00659718
691.759989	391.13134	8.82729E-06	0.006106366
691.799989	357.969173	8.07887E-06	0.005588959
691.839989	332.639651	7.50721E-06	0.005193791
691.879989	316.740538	7.14839E-06	0.00494583
691.919989	343.0794	7.74282E-06	0.005357415
691.959989	414.955283	9.36496E-06	0.00648018
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692.039989	718.065243	1.62057E-05	0.011215015
692.079989	1001.686241	2.26067E-05	0.015645619
692.119989	1364.361598	3.07917E-05	0.021311579
692.159989	1700.753605	3.83836E-05	0.02656762
692.199989	1892.432612	4.27096E-05	0.029563563
692.239989	1877.012155	4.23615E-05	0.029324359
692.279989	1749.966564	3.94943E-05	0.027341119
692.319989	1512.798338	3.41418E-05	0.023637017
692.359989	1197.521714	2.70264E-05	0.018711996
692.399989	879.025736	1.98384E-05	0.013736099
692.439989	602.021612	1.35868E-05	0.009408036
692.479989	419.262958	9.46218E-06	0.006552371
692.519989	341.267057	7.70192E-06	0.005333735
692.559989	349.766696	7.89375E-06	0.005466893
692.599989	390.452861	8.81198E-06	0.006103175
692.639989	449.391006	1.01421E-05	0.007024844
692.679989	487.572922	1.10038E-05	0.007622141
692.719989	486.248093	1.09739E-05	0.007601869
692.759989	441.128162	9.95565E-06	0.006896875
692.799989	377.236665	8.51371E-06	0.005898295

692.839989	308.387296	6.95987E-06	0.004822077
692.879989	310.271481	7.0024E-06	0.004851819
692.919989	377.907123	8.52884E-06	0.005909802
692.959989	477.144441	1.07685E-05	0.00746213
692.999989	683.880311	1.54342E-05	0.010695918
693.039989	1035.601184	2.33721E-05	0.016197783
693.079989	1460.160814	3.29538E-05	0.022839616
693.119989	1874.752321	4.23105E-05	0.029326287
693.159989	2208.673369	4.98467E-05	0.034551725
693.199989	2440.991396	5.50898E-05	0.038188232
693.239989	2533.778805	5.71839E-05	0.039642137
693.279989	2353.695284	5.31196E-05	0.036826772
693.319989	1957.445844	4.41768E-05	0.030628677
693.359989	1439.764635	3.24935E-05	0.022529681
693.399989	983.417984	2.21944E-05	0.015389579
693.439989	686.422566	1.54916E-05	0.010742496
693.479989	506.89619	1.14399E-05	0.00793337
693.519989	400.230063	9.03264E-06	0.006264313
693.559989	350.06372	7.90045E-06	0.005479436
693.599989	352.891744	7.96428E-06	0.005524021
693.639989	368.746454	8.32209E-06	0.005772537
693.679989	408.847406	9.22712E-06	0.006400666
693.719989	446.519718	1.00773E-05	0.006990844
693.759989	440.137193	9.93328E-06	0.006891315
693.799989	386.690534	8.72707E-06	0.006054839
693.839989	331.209159	7.47493E-06	0.005186405
693.879989	282.153058	6.3678E-06	0.00441849
693.919989	290.352741	6.55286E-06	0.004547158
693.959989	372.815024	8.41392E-06	0.005838921
693.999989	508.079086	1.14666E-05	0.007957846
694.039989	704.50392	1.58997E-05	0.011035008
694.079989	978.551455	2.20845E-05	0.01532844
694.119989	1293.194836	2.91856E-05	0.020258313
694.159989	1527.323956	3.44696E-05	0.023927399
694.199989	1685.472218	3.80388E-05	0.026406507
694.239989	1699.004971	3.83442E-05	0.02662006
694.279989	1523.964569	3.43938E-05	0.023878898
694.319989	1334.984127	3.01287E-05	0.020918981
694.359989	1091.483469	2.46333E-05	0.017104351
694.399989	813.211755	1.83531E-05	0.012744362
694.439989	572.213373	1.29141E-05	0.008968039
694.479989	406.151219	9.16627E-06	0.006365789
694.519989	336.586363	7.59629E-06	0.005275772
694.559989	348.031649	7.85459E-06	0.005455484
694.599989	389.626126	8.79332E-06	0.006107839
694.639989	421.880064	9.52125E-06	0.006613838

694.679989	459.544633	1.03713E-05	0.007204722
694.719989	463.496801	1.04605E-05	0.007267103
694.759989	430.848806	9.72366E-06	0.006755608
694.799989	408.960325	9.22966E-06	0.006412771
694.839989	381.860776	8.61807E-06	0.005988177
694.879989	375.155609	8.46674E-06	0.005883368
694.919989	402.402849	9.08167E-06	0.006311035
694.959989	480.612905	1.08468E-05	0.007538067
694.999989	697.493576	1.57415E-05	0.010940313
695.039989	1067.795971	2.40987E-05	0.016749538
695.079989	1520.884553	3.43242E-05	0.023858096
695.119989	1989.526333	4.49008E-05	0.03121147
695.159989	2346.383135	5.29546E-05	0.036811919
695.199989	2496.577729	5.63443E-05	0.039170544
695.239989	2478.598083	5.59385E-05	0.038890687
695.279989	2263.485973	5.10837E-05	0.035517492
695.319989	1851.177628	4.17785E-05	0.029049427
695.359989	1439.591887	3.24896E-05	0.022591957
695.399989	1071.88113	2.41909E-05	0.016822327
695.439989	750.487005	1.69374E-05	0.011778978
695.479989	529.738991	1.19555E-05	0.008314791
695.519989	411.516772	9.28736E-06	0.006459545
695.559989	363.764222	8.20965E-06	0.005710305
695.599989	368.824096	8.32385E-06	0.005790067
695.639989	409.892132	9.25069E-06	0.006435153
695.679989	422.507384	9.5354E-06	0.006633589
695.719989	414.607827	9.35712E-06	0.006509936
695.759989	392.716273	8.86306E-06	0.006166562
695.799989	388.54974	8.76903E-06	0.006101488
695.839989	361.253717	8.15299E-06	0.005673179
695.879989	314.749665	7.10346E-06	0.004943157
695.919989	310.975423	7.01828E-06	0.004884163
695.959989	352.691067	7.95975E-06	0.005539665
695.999989	479.205557	1.0815E-05	0.007527241
696.039989	716.211487	1.61639E-05	0.011250718
696.079989	991.445853	2.23756E-05	0.015575174
696.119989	1283.281176	2.89619E-05	0.020160936
696.159989	1551.518541	3.50156E-05	0.024376468
696.199989	1740.338954	3.9277E-05	0.027344665
696.239989	1785.927958	4.03059E-05	0.028062584
696.279989	1766.354904	3.98642E-05	0.027756624
696.319989	1690.752118	3.81579E-05	0.026570123
696.359989	1496.63826	3.3777E-05	0.02352098
696.399989	1263.348245	2.8512E-05	0.019855764
696.439989	962.595333	2.17244E-05	0.015129766
696.479989	684.610286	1.54507E-05	0.010761104

696.519989	524.529915	1.18379E-05	0.008245341
696.559989	465.998924	1.05169E-05	0.007325684
696.599989	433.058435	9.77353E-06	0.006808238
696.639989	446.376959	1.00741E-05	0.007018025
696.679989	450.632214	1.01701E-05	0.007085334
696.719989	432.028347	9.75028E-06	0.006793214
696.759989	398.432098	8.99206E-06	0.006265306
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696.839989	357.340512	8.06468E-06	0.00561979
696.879989	372.084476	8.39743E-06	0.005852
696.919989	412.573666	9.31121E-06	0.00648917
696.959989	508.738183	1.14815E-05	0.008002155
696.999989	726.517521	1.63965E-05	0.011428352
697.039989	1092.626648	2.46591E-05	0.017188352
697.079989	1538.544556	3.47228E-05	0.024204574
697.119989	1966.839505	4.43888E-05	0.030944339
697.159989	2255.13668	5.08953E-05	0.035482162
697.199989	2338.494437	5.27766E-05	0.036795819
697.239989	2291.973818	5.17267E-05	0.036065893
697.279989	2105.841732	4.75259E-05	0.033138869
697.319989	1767.503585	3.98901E-05	0.02781616
697.359989	1376.345607	3.10622E-05	0.021661538
697.399989	1028.736599	2.32172E-05	0.016191642
697.439989	747.112279	1.68613E-05	0.011759733
697.479989	545.582699	1.2313E-05	0.0085881
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697.559989	363.971161	8.21432E-06	0.005729982
697.599989	340.169068	7.67714E-06	0.005355574
697.639989	373.361131	8.42624E-06	0.005878482
697.679989	428.615305	9.67325E-06	0.006748833
697.719989	442.407288	9.98452E-06	0.006966397
697.759989	435.628871	9.83154E-06	0.006860053
697.799989	376.655546	8.50059E-06	0.005931712
697.839989	328.918236	7.42323E-06	0.005180224
697.879989	328.900671	7.42283E-06	0.005180245
697.919989	334.833808	7.55673E-06	0.005273995
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697.999989	519.695023	1.17288E-05	0.008186697
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698.079989	1017.642651	2.29668E-05	0.016032648
698.119989	1314.087664	2.96571E-05	0.020704234
698.159989	1553.179151	3.50531E-05	0.024472665
698.199989	1636.941611	3.69435E-05	0.025793946
698.239989	1616.538722	3.6483E-05	0.025473909
698.279989	1470.940571	3.31971E-05	0.023180857
698.319989	1176.240636	2.65461E-05	0.018537681

698.359989	909.19246	2.05192E-05	0.014329793
698.399989	713.95983	1.61131E-05	0.011253374
698.439989	546.918261	1.23432E-05	0.008620973
698.479989	424.195566	9.5735E-06	0.0066869
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698.559989	353.669961	7.98184E-06	0.005575793
698.599989	376.719594	8.50204E-06	0.005939523
698.639989	404.588666	9.131E-06	0.006379284
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698.719989	448.520395	1.01225E-05	0.00707278
698.759989	443.893415	1.00181E-05	0.007000217
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698.839989	397.533837	8.97178E-06	0.006269842
698.879989	402.874778	9.09232E-06	0.006354442
698.919989	463.06908	1.04508E-05	0.00730429
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699.079989	1417.588021	3.1993E-05	0.022365657
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699.199989	2206.953401	4.98079E-05	0.034825658
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699.279989	1945.554488	4.39085E-05	0.030704304
699.319989	1599.098907	3.60894E-05	0.025238063
699.359989	1244.741493	2.80921E-05	0.019646478
699.399989	965.112486	2.17812E-05	0.015233802
699.439989	800.32769	1.80623E-05	0.012633482
699.479989	627.180806	1.41546E-05	0.009900857
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699.559989	367.886815	8.30269E-06	0.005808232
699.599989	348.934811	7.87497E-06	0.005509331
699.639989	410.42435	9.26271E-06	0.006480559
699.679989	472.735434	1.0669E-05	0.007464872
699.719989	484.349035	1.09311E-05	0.007648697
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700.159989	1424.681416	3.21531E-05	0.022512297

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700.319989	1280.232843	2.88931E-05	0.020234396
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700.399989	771.139759	1.74036E-05	0.012189446
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700.799989	429.222816	9.68696E-06	0.006788622
700.839989	397.731783	8.97625E-06	0.006290917
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701.079989	1378.863842	3.1119E-05	0.021816934
701.119989	1802.407959	4.06778E-05	0.028520045
701.159989	2067.638695	4.66637E-05	0.032718737
701.199989	2157.166205	4.86842E-05	0.034137386
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701.319989	1642.378575	3.70662E-05	0.025995265
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701.679989	397.272285	8.96588E-06	0.00629118
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701.839989	341.902369	7.71626E-06	0.00541558
701.879989	296.115227	6.68291E-06	0.0046906
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703.439989	588.561558	1.3283E-05	0.009343804
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703.559989	365.195494	8.24195E-06	0.005798709
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703.639989	379.006769	8.55365E-06	0.006018694
703.679989	367.606535	8.29637E-06	0.005837988
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704.199989	1600.015036	3.61101E-05	0.02542874
704.239989	1549.598758	3.49723E-05	0.024628882
704.279989	1411.626647	3.18584E-05	0.022437267
704.319989	1195.163669	2.69732E-05	0.018997749
704.359989	928.479167	2.09545E-05	0.014759498
704.399989	698.005588	1.5753E-05	0.011096423
704.439989	513.204002	1.15823E-05	0.008159035
704.479989	376.712318	8.50187E-06	0.005989399
704.519989	324.026528	7.31283E-06	0.005152033
704.559989	315.214832	7.11396E-06	0.005012211
704.599989	350.033542	7.89977E-06	0.005566177
704.639989	395.837376	8.9335E-06	0.0062949
704.679989	412.197675	9.30273E-06	0.006555446
704.719989	420.292388	9.48541E-06	0.006684561
704.759989	431.162197	9.73073E-06	0.006857829
704.799989	425.848314	9.6108E-06	0.006773694
704.839989	397.854569	8.97902E-06	0.006328775
704.879989	390.333807	8.80929E-06	0.006209492
704.919989	438.121458	9.88779E-06	0.006970102
704.959989	578.084073	1.30466E-05	0.009197297
704.999989	867.247772	1.95726E-05	0.013798665
705.039989	1339.019302	3.02198E-05	0.021306168
705.079989	1959.056407	4.42132E-05	0.031173824
705.119989	2685.292191	6.06033E-05	0.042732601
705.159989	3316.285782	7.4844E-05	0.05277696
705.199989	3464.472966	7.81883E-05	0.055138409
705.239989	3127.577281	7.05851E-05	0.049779409
705.279989	2596.69397	5.86038E-05	0.041332063
705.319989	2010.919792	4.53837E-05	0.032010002
705.359989	1465.721539	3.30793E-05	0.02333281
705.399989	1009.910082	2.27923E-05	0.016077663
705.439989	701.932834	1.58416E-05	0.011175331
705.479989	519.799466	1.17311E-05	0.008276092
705.519989	434.562256	9.80746E-06	0.006919362
705.559989	403.412369	9.10446E-06	0.006423739
705.599989	415.777575	9.38352E-06	0.006621012
705.639989	421.164412	9.50509E-06	0.006707175
705.679989	435.830606	9.83609E-06	0.006941132

705.719989	436.011196	9.84017E-06	0.006944401
705.759989	389.978852	8.80128E-06	0.006211591
705.799989	336.263692	7.589E-06	0.005356318
705.839989	314.533011	7.09857E-06	0.005010456
705.879989	309.951408	6.99517E-06	0.004937752
705.919989	345.128875	7.78908E-06	0.005498466
705.959989	407.142589	9.18864E-06	0.006486813
705.999989	550.225699	1.24178E-05	0.008766986
706.039989	821.279199	1.85351E-05	0.013086541
706.079989	1169.305284	2.63896E-05	0.018633163
706.119989	1522.709044	3.43654E-05	0.024266112
706.159989	1781.631423	4.02089E-05	0.028393944
706.199989	1842.274943	4.15776E-05	0.029362086
706.239989	1726.340289	3.89611E-05	0.027515884
706.279989	1544.038445	3.48468E-05	0.024611595
706.319989	1257.444319	2.83788E-05	0.02004449
706.359989	953.014881	2.15082E-05	0.015192545
706.399989	700.130435	1.5801E-05	0.011161804
706.439989	528.802996	1.19343E-05	0.0084309
706.479989	430.107376	9.70692E-06	0.006857748
706.519989	374.981949	8.46282E-06	0.005979152
706.559989	352.815096	7.96255E-06	0.005626016
706.599989	379.827745	8.57218E-06	0.006057105
706.639989	422.838071	9.54287E-06	0.006743371
706.679989	447.520784	1.00999E-05	0.007137412
706.719989	428.464647	9.66985E-06	0.006833876
706.759989	393.418415	8.87891E-06	0.006275255
706.799989	366.994609	8.28256E-06	0.005854111
706.839989	333.702588	7.5312E-06	0.005323355
706.879989	342.277485	7.72473E-06	0.005460454
706.919989	409.961379	9.25226E-06	0.006540606
706.959989	545.481019	1.23107E-05	0.008703205
706.999989	754.600463	1.70303E-05	0.012040409
707.039989	1048.599236	2.36654E-05	0.016732401
707.079989	1508.311983	3.40405E-05	0.024069357
707.119989	2047.032997	4.61987E-05	0.032668013
707.159989	2476.443855	5.58899E-05	0.039523093
707.199989	2581.888138	5.82696E-05	0.041208274
707.239989	2393.664765	5.40217E-05	0.038206292
707.279989	2052.138903	4.63139E-05	0.032756906
707.319989	1639.066448	3.69914E-05	0.02616479
707.359989	1239.932551	2.79836E-05	0.019794444
707.399989	914.602212	2.06413E-05	0.014601654
707.439989	652.704649	1.47306E-05	0.01042104
707.479989	480.828166	1.08516E-05	0.007677305
707.519989	401.969632	9.07189E-06	0.006418547

707.559989	372.911445	8.41609E-06	0.00595489
707.599989	361.16027	8.15088E-06	0.005767566
707.639989	383.105971	8.64617E-06	0.006118374
707.679989	419.18614	9.46045E-06	0.006694969
707.719989	419.483898	9.46717E-06	0.006700104
707.759989	398.279191	8.98861E-06	0.006361776
707.799989	358.370209	8.08792E-06	0.005724627
707.839989	322.261104	7.27298E-06	0.005148109
707.879989	291.722398	6.58377E-06	0.004660518
707.919989	314.342039	7.09426E-06	0.00502217
707.959989	388.675021	8.77185E-06	0.006210122
707.999989	498.789328	1.1257E-05	0.007969942
708.039989	692.697447	1.56332E-05	0.011068942
708.079989	946.714284	2.1366E-05	0.015128853
708.119989	1263.800305	2.85222E-05	0.020197149
708.159989	1587.399389	3.58254E-05	0.02537011
708.199989	1718.978728	3.8795E-05	0.027474587
708.239989	1668.126353	3.76473E-05	0.026663315
708.279989	1452.642421	3.27841E-05	0.023220333
708.319989	1160.725715	2.6196E-05	0.018555124
708.359989	915.635646	2.06646E-05	0.014637991
708.399989	711.404161	1.60554E-05	0.011373646
708.439989	569.171411	1.28454E-05	0.009100199
708.479989	463.77514	1.04668E-05	0.007415489
708.519989	374.911773	8.46124E-06	0.005994955
708.559989	341.57808	7.70894E-06	0.005462247
708.599989	338.906298	7.64864E-06	0.005419828
708.639989	366.958975	8.28175E-06	0.005868781
708.679989	416.927141	9.40946E-06	0.006668299
708.719989	452.063121	1.02024E-05	0.00723067
708.759989	440.233552	9.93546E-06	0.007041855
708.799989	409.660251	9.24546E-06	0.006553183
708.839989	367.336915	8.29028E-06	0.005876484
708.879989	332.179075	7.49682E-06	0.005314345
708.919989	353.520904	7.97847E-06	0.0056561
708.959989	427.056289	9.63807E-06	0.006833003
708.999989	605.964343	1.36758E-05	0.009696122
709.039989	971.419669	2.19236E-05	0.015544701
709.079989	1447.494354	3.26679E-05	0.023164176
709.119989	1890.107703	4.26571E-05	0.030249001
709.159989	2282.282649	5.15079E-05	0.03652737
709.199989	2496.061819	5.63326E-05	0.039951107
709.239989	2463.939445	5.56077E-05	0.039439191
709.279989	2228.314238	5.02899E-05	0.035669654
709.319989	1808.863017	4.08235E-05	0.028956938
709.359989	1348.74275	3.04392E-05	0.021592383

709.399989	956.834808	2.15944E-05	0.015319088
709.439989	656.725742	1.48214E-05	0.010514883
709.479989	460.121771	1.03843E-05	0.007367458
709.519989	357.11451	8.05958E-06	0.005718431
709.559989	330.671908	7.4628E-06	0.005295307
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710.079989	923.588211	2.08441E-05	0.014800978
710.119989	1265.944747	2.85706E-05	0.020288561
710.159989	1548.711195	3.49523E-05	0.024821693
710.199989	1654.98813	3.73508E-05	0.026526521
710.239989	1654.226547	3.73336E-05	0.026515808
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710.439989	590.02803	1.33161E-05	0.009460298
710.479989	420.054686	9.48005E-06	0.006735385
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710.559989	348.118295	7.85655E-06	0.005582547
710.599989	370.276617	8.35663E-06	0.005938219
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711.039989	961.581901	2.17016E-05	0.01543068
711.079989	1328.434733	2.99809E-05	0.021318833
711.119989	1748.46392	3.94604E-05	0.028061076
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711.839989	328.962832	7.42423E-06	0.005284866
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712.039989	635.681616	1.43464E-05	0.010215245
712.079989	891.332886	2.01161E-05	0.014324302
712.119989	1239.850479	2.79817E-05	0.019926327
712.159989	1451.072649	3.27487E-05	0.023322306
712.199989	1540.262563	3.47616E-05	0.024757197
712.239989	1579.565214	3.56486E-05	0.025390349
712.279989	1466.986715	3.31078E-05	0.023582057
712.319989	1235.21303	2.7877E-05	0.019857371
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712.399989	795.82171	1.79606E-05	0.012795122
712.439989	610.277269	1.37731E-05	0.009812513
712.479989	454.675024	1.02614E-05	0.007311029
712.519989	365.097229	8.23974E-06	0.005870977
712.559989	335.199236	7.56498E-06	0.005390502
712.599989	356.395974	8.04336E-06	0.005731699
712.639989	414.976211	9.36544E-06	0.006674184
712.679989	454.817515	1.02646E-05	0.007315373
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712.839989	401.956519	9.0716E-06	0.006466598
712.879989	414.91989	9.36416E-06	0.006675525
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713.039989	884.050919	1.99518E-05	0.01422643

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713.199989	2014.769996	4.54706E-05	0.032429598
713.239989	2024.55363	4.56914E-05	0.032588902
713.279989	1843.609611	4.16077E-05	0.029677941
713.319989	1528.957774	3.45064E-05	0.024614139
713.359989	1181.974034	2.66755E-05	0.01902924
713.399989	875.571761	1.97604E-05	0.014097094
713.439989	650.859365	1.4689E-05	0.010479712
713.479989	477.199466	1.07697E-05	0.007683985
713.519989	364.747067	8.23183E-06	0.005873578
713.559989	335.015892	7.56084E-06	0.005395114
713.599989	334.724757	7.55427E-06	0.005390728
713.639989	354.847556	8.00842E-06	0.005715125
713.679989	375.583461	8.4764E-06	0.006049434
713.719989	387.930773	8.75506E-06	0.006248659
713.759989	379.67091	8.56864E-06	0.006115955
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713.879989	297.305161	6.70976E-06	0.004789966
713.919989	282.109458	6.36682E-06	0.004545398
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714.119989	1190.297727	2.68634E-05	0.019183664
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714.199989	1623.300069	3.66356E-05	0.02616516
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714.279989	1479.843202	3.3398E-05	0.023855523
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714.519988	363.717273	8.20859E-06	0.005865203
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714.679988	471.076209	1.06315E-05	0.007598145
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715.039988	1060.950093	2.39442E-05	0.017121036
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715.279988	2073.177066	4.67887E-05	0.033467034
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715.359988	1362.296435	3.07451E-05	0.021993838
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715.559988	338.521138	7.63995E-06	0.005466843
715.599988	326.268757	7.36343E-06	0.005269271
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715.679988	360.901522	8.14504E-06	0.005829245
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715.759988	324.266195	7.31824E-06	0.005238101
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715.839988	306.487685	6.917E-06	0.004951465
715.879988	282.675147	6.37958E-06	0.004567017
715.919988	287.194906	6.48159E-06	0.004640299
715.959988	324.818314	7.3307E-06	0.005248486
715.999988	424.741805	9.58583E-06	0.006863455
716.039988	610.304066	1.37737E-05	0.009862529
716.079988	893.505064	2.01652E-05	0.014439871
716.119988	1229.165945	2.77406E-05	0.019865572
716.159988	1477.758513	3.3351E-05	0.023884617
716.199988	1618.043977	3.6517E-05	0.026153474
716.239988	1612.470766	3.63912E-05	0.026064846
716.279988	1454.400485	3.28238E-05	0.023511026
716.319988	1199.327914	2.70672E-05	0.019388748
716.359988	908.046289	2.04933E-05	0.014680609
716.399988	697.71686	1.57465E-05	0.011280791
716.439988	554.736192	1.25196E-05	0.008969559
716.479988	418.374686	9.44213E-06	0.0067651
716.519988	349.310755	7.88346E-06	0.005648655
716.559988	373.53876	8.43025E-06	0.006040779
716.599988	416.610685	9.40232E-06	0.006737704
716.639988	417.474855	9.42183E-06	0.006752057
716.679988	412.443308	9.30827E-06	0.006671052
716.719988	407.493577	9.19656E-06	0.00659136

716.759988	402.677027	9.08786E-06	0.006513814
716.799988	370.232131	8.35562E-06	0.005989311
716.839988	316.03365	7.13244E-06	0.005112818
716.879988	318.28531	7.18326E-06	0.005149533
716.919988	386.770933	8.72888E-06	0.006257909
716.959988	490.276422	1.10649E-05	0.007933059
716.999988	638.761466	1.4416E-05	0.010336241
717.039988	901.5921	2.03477E-05	0.014590099
717.079988	1271.716612	2.87009E-05	0.020580821
717.119988	1680.951716	3.79367E-05	0.027205194
717.159988	2039.907194	4.60379E-05	0.033016514
717.199988	2118.150254	4.78037E-05	0.034284814
717.239988	2006.495578	4.52838E-05	0.03247936
717.279988	1865.236592	4.20958E-05	0.030194469
717.319988	1660.148777	3.74672E-05	0.026876004
717.359988	1338.968602	3.02187E-05	0.021677655
717.399988	1026.299524	2.31622E-05	0.016616527
717.439988	739.41104	1.66875E-05	0.011972263
717.479988	514.43185	1.161E-05	0.00832995
717.519988	399.748806	9.02177E-06	0.006473303
717.559988	375.808336	8.48147E-06	0.006085964
717.599988	368.765246	8.32252E-06	0.005972239
717.639988	386.039651	8.71238E-06	0.00625235
717.679988	418.689507	9.44924E-06	0.00678153
717.719988	431.446936	9.73716E-06	0.006988552
717.759988	404.957159	9.13932E-06	0.006559838
717.799988	384.153255	8.6698E-06	0.006223185
717.839988	363.373076	8.20082E-06	0.00588688
717.879988	300.984258	6.7928E-06	0.004876412
717.919988	284.628989	6.42368E-06	0.004611688
717.959988	325.573091	7.34773E-06	0.005275377
717.999988	407.771924	9.20284E-06	0.006607642
718.039988	582.971524	1.31569E-05	0.009447148
718.079988	817.573735	1.84515E-05	0.013249653
718.119988	1092.339372	2.46526E-05	0.017703509
718.159988	1321.788215	2.98309E-05	0.021423372
718.199988	1442.481095	3.25548E-05	0.023380849
718.239988	1460.070874	3.29518E-05	0.023667276
718.279988	1407.497213	3.17653E-05	0.022816345
718.319988	1298.735435	2.93106E-05	0.021054426
718.359988	1123.801768	2.53626E-05	0.018219506
718.399988	864.437446	1.95091E-05	0.014015372
718.439988	598.411707	1.35053E-05	0.009702761
718.479988	413.828816	9.33954E-06	0.006710273
718.519988	327.954916	7.40149E-06	0.005318115
718.559988	324.7784	7.3298E-06	0.005266898

718.599988	366.523838	8.27193E-06	0.005944211
718.639988	406.110336	9.16534E-06	0.006586583
718.679988	424.693145	9.58473E-06	0.006888356
718.719988	425.914754	9.6123E-06	0.006908554
718.759988	422.220206	9.52892E-06	0.006849008
718.799988	402.617645	9.08652E-06	0.00653139
718.839988	371.33087	8.38042E-06	0.006024181
718.879988	342.446677	7.72854E-06	0.005555896
718.919988	368.918035	8.32597E-06	0.005985704
718.959988	471.891597	1.06499E-05	0.007656878
718.999988	637.201003	1.43807E-05	0.010339751
719.039988	970.725606	2.19079E-05	0.015752674
719.079988	1385.173609	3.12614E-05	0.022479475
719.119988	1812.227249	4.08994E-05	0.029411608
719.159988	2118.353637	4.78083E-05	0.03438181
719.199988	2203.780948	4.97363E-05	0.035770322
719.239988	2112.061089	4.76663E-05	0.034283492
719.279988	1858.072194	4.19341E-05	0.03016236
719.319988	1523.224199	3.4377E-05	0.024728098
719.359988	1180.771313	2.66484E-05	0.019169767
719.399988	849.014237	1.91611E-05	0.013784473
719.439988	579.705673	1.30831E-05	0.009412541
719.479988	429.375408	9.6904E-06	0.006972052
719.519988	361.35861	8.15536E-06	0.005867945
719.559988	342.155504	7.72197E-06	0.005556423
719.599988	360.400674	8.13374E-06	0.00585304
719.639988	381.117962	8.6013E-06	0.006189841
719.679988	390.126266	8.80461E-06	0.006336499
719.719988	390.310304	8.80876E-06	0.006339841
719.759988	362.366984	8.17812E-06	0.005886282
719.799988	333.749421	7.53226E-06	0.00542172
719.839988	329.40835	7.43429E-06	0.005351498
719.879988	322.655819	7.28189E-06	0.005242089
719.919988	296.950434	6.70176E-06	0.004824729
719.959988	306.547158	6.91834E-06	0.00498093
719.999988	396.068148	8.93871E-06	0.006435869
720.039988	564.417491	1.27381E-05	0.009171953
720.079988	826.668655	1.86568E-05	0.01343436
720.119988	1156.132615	2.60923E-05	0.018789589
720.159988	1378.83946	3.11185E-05	0.022410289
720.199988	1433.584628	3.2354E-05	0.023301356
720.239988	1390.113471	3.13729E-05	0.022596035
720.279988	1315.74429	2.96945E-05	0.021388366
720.319988	1138.660402	2.5698E-05	0.018510768
720.359988	885.050461	1.99744E-05	0.014388727
720.399988	692.14084	1.56207E-05	0.011253119

720.439988	510.838075	1.15289E-05	0.008305883
720.479988	385.980059	8.71103E-06	0.006276124
720.519988	327.609005	7.39368E-06	0.005327293
720.559988	319.8171	7.21783E-06	0.005200877
720.599988	374.128878	8.44357E-06	0.006084435
720.639988	423.883912	9.56647E-06	0.00689398
720.679988	461.772633	1.04216E-05	0.007510613
720.719988	460.032052	1.03823E-05	0.007482719
720.759988	432.743112	9.76641E-06	0.007039237
720.799988	404.336004	9.1253E-06	0.006577516
720.839988	377.53288	8.52039E-06	0.006141839
720.879988	392.128513	8.84979E-06	0.00637964
720.919988	440.77485	9.94767E-06	0.007171477
720.959988	513.445293	1.15877E-05	0.008354301
720.999988	673.846957	1.52078E-05	0.010964814
721.039988	1022.374238	2.30736E-05	0.016636961
721.079988	1500.337441	3.38605E-05	0.024416148
721.119988	1963.613139	4.4316E-05	0.031957163
721.159988	2305.527292	5.20325E-05	0.037523786
721.199988	2363.975208	5.33516E-05	0.038477193
721.239988	2161.987546	4.8793E-05	0.035191497
721.279988	1875.655415	4.23309E-05	0.030532453
721.319988	1549.632008	3.4973E-05	0.02522675
721.359988	1173.217438	2.64779E-05	0.019100086
721.399988	822.551019	1.85638E-05	0.013391947
721.439988	567.005016	1.27965E-05	0.009231917
721.479988	414.094552	9.34554E-06	0.006742618
721.519988	335.193199	7.56484E-06	0.005458186
721.559988	336.670414	7.59818E-06	0.005482544
721.599988	379.465859	8.56402E-06	0.006179794
721.639988	403.665996	9.11018E-06	0.00657427
721.679988	411.545962	9.28802E-06	0.006702978
721.719988	391.823364	8.84291E-06	0.006382103
721.759988	362.224357	8.1749E-06	0.005900315
721.799988	336.663848	7.59803E-06	0.005484261
721.839988	290.55798	6.55749E-06	0.004733458
721.879988	276.497261	6.24016E-06	0.004504645
721.919988	304.604657	6.8745E-06	0.004962841
721.959988	355.124662	8.01467E-06	0.00578627
721.999988	510.404987	1.15191E-05	0.008316811
722.039988	759.203068	1.71342E-05	0.012371546
722.079988	1053.755433	2.37818E-05	0.017172356
722.119988	1343.406886	3.03188E-05	0.021893828
722.159988	1599.320899	3.60944E-05	0.026065964
722.199988	1663.412228	3.75409E-05	0.027112035
722.239988	1527.316001	3.44694E-05	0.024895175

722.279988	1300.133384	2.93422E-05	0.021193284
722.319988	1063.862902	2.40099E-05	0.017342833
722.359988	845.785584	1.90882E-05	0.013788554
722.399988	650.887847	1.46896E-05	0.01061179
722.439988	475.108931	1.07225E-05	0.007746397
722.479988	361.160697	8.15089E-06	0.005888858
722.519988	322.781492	7.28473E-06	0.005263362
722.559988	326.057975	7.35867E-06	0.005317084
722.599988	351.889885	7.94166E-06	0.005738647
722.639988	359.254359	8.10787E-06	0.005859071
722.679988	371.924312	8.39381E-06	0.006066041
722.719988	409.11162	9.23308E-06	0.006672931
722.759988	403.791013	9.113E-06	0.006586512
722.799988	388.939606	8.77783E-06	0.006344612
722.839988	395.556554	8.92716E-06	0.006452909
722.879988	396.219024	8.94211E-06	0.006464073
722.919988	413.942675	9.34211E-06	0.006753598
722.959988	508.031296	1.14656E-05	0.00828914
722.999988	716.038232	1.616E-05	0.011683669
723.039988	1079.197841	2.4356E-05	0.017610356
723.079988	1527.573186	3.44752E-05	0.024928327
723.119988	1952.972438	4.40759E-05	0.031872141
723.159988	2297.965337	5.18619E-05	0.037504434
723.199988	2400.413075	5.4174E-05	0.039178621
723.239988	2270.975001	5.12527E-05	0.037068033
723.279988	1958.867232	4.42089E-05	0.031975416
723.319988	1545.44798	3.48786E-05	0.025228395
723.359988	1176.426884	2.65503E-05	0.019205436
723.399988	852.853478	1.92477E-05	0.013923797
723.439988	577.498705	1.30333E-05	0.00942884
723.479988	394.013948	8.89235E-06	0.006433434
723.519988	318.07578	7.17853E-06	0.005193808
723.559988	330.986829	7.46991E-06	0.005404929
723.599988	368.88683	8.32526E-06	0.006024159
723.639988	388.026161	8.75721E-06	0.006337067
723.679988	399.130916	9.00783E-06	0.006518785
723.719988	387.433103	8.74383E-06	0.006328081
723.759988	366.87374	8.27983E-06	0.005992609
723.799988	342.130757	7.72141E-06	0.00558876
723.839988	307.284995	6.93499E-06	0.005019826
723.879988	295.719193	6.67397E-06	0.004831154
723.919988	320.922316	7.24277E-06	0.005243186
723.959988	389.626958	8.79334E-06	0.006366025
723.999988	512.8824	1.1575E-05	0.00838033
724.039988	690.122954	1.55751E-05	0.011277005
724.079988	901.830247	2.03531E-05	0.014737238

724.119988	1154.757553	2.60613E-05	0.018871486
724.159988	1374.210948	3.1014E-05	0.022459117
724.199988	1454.549099	3.28271E-05	0.02377342
724.239988	1432.206353	3.23229E-05	0.023409539
724.279988	1329.469581	3.00043E-05	0.021731497
724.319988	1164.199177	2.62744E-05	0.01903104
724.359988	950.047141	2.14412E-05	0.015531177
724.399988	717.431689	1.61914E-05	0.011729075
724.439988	522.290232	1.17874E-05	0.008539237
724.479988	401.601592	9.06359E-06	0.006566389
724.519988	334.533507	7.54996E-06	0.005470094
724.559988	324.725661	7.32861E-06	0.005310015
724.599988	358.720084	8.09581E-06	0.005866226
724.639988	405.585339	9.1535E-06	0.006632989
724.679988	425.750173	9.60859E-06	0.006963152
724.719988	423.139666	9.54967E-06	0.006920839
724.759988	405.479975	9.15112E-06	0.006632364
724.799988	370.393317	8.35926E-06	0.006058792
724.839988	346.042316	7.80969E-06	0.005660778
724.879988	340.418551	7.68277E-06	0.005569088
724.919988	370.672569	8.36556E-06	0.006064364
724.959988	464.87603	1.04916E-05	0.007605993
724.999988	639.971282	1.44433E-05	0.010471364
725.039988	919.81759	2.0759E-05	0.015051106
725.079988	1280.359822	2.88959E-05	0.020951866
725.119988	1690.051256	3.81421E-05	0.027657601
725.159988	2012.076692	4.54098E-05	0.032929347
725.199988	2108.912523	4.75952E-05	0.034516052
725.239988	1934.931155	4.36687E-05	0.031670288
725.279988	1687.879016	3.80931E-05	0.027628147
725.319988	1417.876997	3.19995E-05	0.023209883
725.359988	1078.654197	2.43437E-05	0.017657962
725.399988	787.404145	1.77706E-05	0.012890804
725.439988	561.024579	1.26615E-05	0.00918519
725.479988	405.066844	9.14179E-06	0.006632189
725.519988	348.678924	7.8692E-06	0.00570926
725.559988	364.132749	8.21797E-06	0.005962629
725.599988	394.925655	8.91292E-06	0.006467216
725.639988	409.919843	9.25132E-06	0.006713128
725.679988	435.44144	9.82731E-06	0.00713148
725.719988	405.327354	9.14767E-06	0.00663865
725.759988	376.468577	8.49637E-06	0.006166326
725.799988	346.683741	7.82417E-06	0.005678782
725.839988	306.982997	6.92818E-06	0.005028749
725.879988	267.218289	6.03074E-06	0.004377597
725.919988	268.211198	6.05315E-06	0.004394105

725.959988	320.386297	7.23067E-06	0.005249179
725.999988	413.693526	9.33649E-06	0.006778289
726.039988	576.317315	1.30067E-05	0.009443369
726.079988	827.861814	1.86837E-05	0.013565852
726.119988	1101.561153	2.48607E-05	0.018051852
726.159988	1301.580248	2.93749E-05	0.021330843
726.199988	1380.838302	3.11636E-05	0.022631004
726.239988	1356.672632	3.06182E-05	0.02223617
726.279988	1244.993789	2.80978E-05	0.020406852
726.319988	1077.030159	2.43071E-05	0.017654711
726.359988	885.796468	1.99912E-05	0.014520802
726.399988	678.258145	1.53073E-05	0.011119253
726.439988	503.09489	1.13542E-05	0.008248109
726.479988	372.415037	8.40489E-06	0.006105983
726.519988	310.146031	6.99956E-06	0.005085323
726.559988	311.164764	7.02256E-06	0.005102308
726.599988	353.183288	7.97085E-06	0.005791623
726.639988	404.737079	9.13435E-06	0.006637386
726.679988	426.670722	9.62936E-06	0.006997466
726.719988	413.002492	9.32089E-06	0.006773678
726.759988	430.303495	9.71135E-06	0.007057821
726.799988	430.021558	9.70499E-06	0.007053585
726.839988	384.751757	8.68331E-06	0.006311378
726.879988	348.080165	7.85568E-06	0.00571014
726.919988	381.130474	8.60158E-06	0.006252663
726.959988	452.655845	1.02158E-05	0.007426487
726.999988	569.81087	1.28598E-05	0.009349102
727.039988	791.448187	1.78619E-05	0.012986303
727.079988	1138.464039	2.56935E-05	0.018681264
727.119988	1582.182137	3.57076E-05	0.025963744
727.159988	1989.657246	4.49038E-05	0.032652241
727.199988	2130.658846	4.8086E-05	0.03496814
727.239988	2044.325163	4.61376E-05	0.033553087
727.279988	1786.057301	4.03088E-05	0.029315802
727.319988	1399.072826	3.15751E-05	0.022965219
727.359988	1029.860499	2.32425E-05	0.016905677
727.399988	753.796995	1.70121E-05	0.012374636
727.439988	561.119386	1.26637E-05	0.009212069
727.479988	429.714939	9.69807E-06	0.00705515
727.519988	361.557649	8.15985E-06	0.005936456
727.559988	340.109841	7.67581E-06	0.005584609
727.599988	364.951083	8.23644E-06	0.005992832
727.639988	401.428081	9.05967E-06	0.00659218
727.679988	433.097125	9.7744E-06	0.007112634
727.719988	418.447472	9.44378E-06	0.006872425
727.759988	380.107215	8.57849E-06	0.006243082

727.799988	327.820285	7.39845E-06	0.00538459
727.839988	296.610153	6.69408E-06	0.004872218
727.879988	291.537847	6.5796E-06	0.004789161
727.919988	309.945076	6.99503E-06	0.005091821
727.959988	360.780268	8.14231E-06	0.005927275
727.999988	445.275367	1.00492E-05	0.00731585
728.039988	601.712047	1.35798E-05	0.009886639
728.079988	839.506458	1.89465E-05	0.013794561
728.119988	1076.125765	2.42867E-05	0.017683602
728.159988	1304.982462	2.94516E-05	0.021445503
728.199988	1396.550175	3.15182E-05	0.022951547
728.239988	1379.419911	3.11316E-05	0.022671266
728.279988	1251.962084	2.8255E-05	0.02057758
728.319988	1064.364515	2.40212E-05	0.017495138
728.359988	871.757221	1.96743E-05	0.014330007
728.399988	665.590269	1.50214E-05	0.010941621
728.439988	487.170873	1.09948E-05	0.008009029
728.479988	378.794131	8.54886E-06	0.00622767
728.519988	342.791894	7.73634E-06	0.005636075
728.559988	374.971483	8.46258E-06	0.0061655
728.599988	395.050586	8.91574E-06	0.006496009
728.639988	380.726592	8.59247E-06	0.006260816
728.679988	398.896578	9.00254E-06	0.006559971
728.719988	454.567141	1.02589E-05	0.0074759
728.759988	433.132936	9.77521E-06	0.00712378
728.799988	402.667098	9.08764E-06	0.006623069
728.839988	382.12513	8.62403E-06	0.006285539
728.879988	365.101068	8.23982E-06	0.006005842
728.919988	406.570051	9.17572E-06	0.006688366
728.959988	554.499675	1.25143E-05	0.009122413
728.999988	798.42448	1.80193E-05	0.01313609
729.039988	1121.16556	2.53031E-05	0.018447005
729.079988	1506.553142	3.40008E-05	0.024789307
729.119988	1863.803539	4.20634E-05	0.030669302
729.159988	2082.313895	4.69949E-05	0.034266818
729.199988	2180.059139	4.92009E-05	0.035877294
729.239988	2141.83795	4.83383E-05	0.035250221
729.279988	1857.394043	4.19188E-05	0.030570539
729.319988	1503.557034	3.39332E-05	0.024748152
729.359988	1177.905437	2.65837E-05	0.019389076
729.399988	883.251864	1.99338E-05	0.014539687
729.439988	613.327885	1.3842E-05	0.010096876
729.479988	407.747044	9.20228E-06	0.006712881
729.519988	303.662001	6.85323E-06	0.004999567
729.559988	301.278846	6.79944E-06	0.004960602
729.599988	336.404072	7.59217E-06	0.005539248

729.639988	395.257013	8.9204E-06	0.006508681
729.679988	455.311631	1.02757E-05	0.007498009
729.719988	456.739916	1.0308E-05	0.007521942
729.759988	414.945991	9.36475E-06	0.006834022
729.799988	380.507613	8.58753E-06	0.006267177
729.839988	354.56544	8.00205E-06	0.005840215
729.879988	317.179258	7.15829E-06	0.005224696
729.919988	334.964693	7.55969E-06	0.005517966
729.959988	415.662525	9.38092E-06	0.006847699
729.999988	502.439147	1.13394E-05	0.008277727
730.039988	688.934228	1.55483E-05	0.01135087
730.079988	944.224228	2.13098E-05	0.015557877
730.119988	1218.507466	2.75E-05	0.020078312
730.159988	1480.687211	3.3417E-05	0.024399791
730.199988	1556.902362	3.51371E-05	0.025657123
730.239988	1501.490552	3.38866E-05	0.024745314
730.279988	1361.908243	3.07364E-05	0.022446157
730.319988	1170.585377	2.64185E-05	0.019293945
730.359988	922.324566	2.08156E-05	0.015202867
730.399988	688.328227	1.55346E-05	0.011346478
730.439988	487.388066	1.09997E-05	0.008034599
730.479988	341.162542	7.69956E-06	0.005624377
730.519988	265.232173	5.98592E-06	0.004372835
730.559988	263.155742	5.93906E-06	0.004338839
730.599988	313.192174	7.06831E-06	0.005164108
730.639988	385.681441	8.70429E-06	0.006359704
730.679988	463.522123	1.0461E-05	0.007643679
730.719988	495.785205	1.11892E-05	0.008176159
730.759988	453.79031	1.02414E-05	0.007484016
730.799988	381.390147	8.60744E-06	0.00629032
730.839988	335.96645	7.58229E-06	0.005541444
730.879988	346.446682	7.81882E-06	0.005714618
730.919988	373.734259	8.43466E-06	0.006165063
730.959988	457.87318	1.03336E-05	0.007553419
730.999988	686.634437	1.54964E-05	0.011327856
731.039988	1054.784563	2.3805E-05	0.01740242
731.079988	1444.240316	3.25945E-05	0.023829181
731.119988	1760.934474	3.97418E-05	0.029056052
731.159988	1998.553248	4.51046E-05	0.032978652
731.199988	2090.063725	4.71698E-05	0.034490577
731.239988	1991.985627	4.49563E-05	0.032873874
731.279988	1773.029665	4.00148E-05	0.02926203
731.319988	1465.651273	3.30777E-05	0.024190389
731.359988	1153.899357	2.60419E-05	0.019046005
731.399988	898.055146	2.02679E-05	0.014823908
731.439988	659.144501	1.4876E-05	0.010880882

731.479988	465.660124	1.05093E-05	0.007687343
731.519988	355.982218	8.03402E-06	0.005877048
731.559988	337.337338	7.61323E-06	0.005569537
731.599988	382.404072	8.63033E-06	0.006313947
731.639988	402.295916	9.07926E-06	0.006642749
731.679988	400.938196	9.04862E-06	0.006620692
731.719988	388.805297	8.77479E-06	0.006420692
731.759988	376.571716	8.4987E-06	0.006219008
731.799988	357.047861	8.05807E-06	0.005896898
731.839988	313.148272	7.06732E-06	0.005172148
731.879988	296.933164	6.70137E-06	0.004904597
731.919988	331.770766	7.4876E-06	0.005480327
731.959988	412.385273	9.30696E-06	0.006812323
731.999988	526.236918	1.18764E-05	0.00869355
732.039988	691.666352	1.56099E-05	0.011427105
732.079988	914.193791	2.06321E-05	0.015104333
732.119988	1192.847327	2.69209E-05	0.019709331
732.159988	1413.384535	3.18981E-05	0.023354527
732.199988	1470.439945	3.31858E-05	0.024298629
732.239988	1390.331078	3.13778E-05	0.022976106
732.279988	1241.182922	2.80118E-05	0.020512458
732.319988	1092.172718	2.46488E-05	0.018050821
732.359988	930.595246	2.10022E-05	0.015381199
732.399988	723.879635	1.6337E-05	0.011965186
732.439988	547.295205	1.23517E-05	0.009046872
732.479988	423.495698	9.55771E-06	0.00700083
732.519988	359.387925	8.11088E-06	0.005941385
732.559988	352.686642	7.95965E-06	0.005830918
732.599988	376.145773	8.48909E-06	0.006219104
732.639988	400.94246	9.04871E-06	0.006629449
732.679988	437.920103	9.88325E-06	0.007241257
732.719988	451.313302	1.01855E-05	0.007463129
732.759988	415.399783	9.37499E-06	0.006869621
732.799988	397.033223	8.96049E-06	0.006566245
732.839988	383.277804	8.65005E-06	0.0063391
732.879988	381.634477	8.61296E-06	0.006312265
732.919988	408.580498	9.22109E-06	0.006758323
732.959988	516.65704	1.16602E-05	0.008546482
732.999988	756.835636	1.70807E-05	0.012520172
733.039988	1161.586507	2.62154E-05	0.019216929
733.079988	1644.673386	3.7118E-05	0.027210454
733.119988	2098.427254	4.73586E-05	0.034719522
733.159988	2394.852949	5.40485E-05	0.039626194
733.199988	2382.567447	5.37712E-05	0.039425064
733.239988	2163.19779	4.88204E-05	0.035797041
733.279988	1878.719841	4.24001E-05	0.031091137

733.319988	1550.57836	3.49944E-05	0.025662088
733.359988	1188.056429	2.68128E-05	0.019663419
733.399988	857.788141	1.93591E-05	0.014197952
733.439988	597.170109	1.34773E-05	0.009884789
733.479988	421.100966	9.50366E-06	0.006970746
733.519988	329.098786	7.4273E-06	0.005448074
733.559988	326.982112	7.37953E-06	0.005413329
733.599988	379.218769	8.55844E-06	0.006278471
733.639988	428.257577	9.66518E-06	0.00709076
733.679988	434.423296	9.80433E-06	0.00719324
733.719988	402.836873	9.09147E-06	0.006670591
733.759988	358.053752	8.08077E-06	0.005929349
733.799988	331.045144	7.47123E-06	0.005482387
733.839988	311.536164	7.03094E-06	0.005159583
733.879988	323.279563	7.29597E-06	0.005354366
733.919988	354.102733	7.99161E-06	0.005865199
733.959988	398.486178	8.99328E-06	0.006600706
733.999988	504.786837	1.13923E-05	0.008361974
734.039988	700.17817	1.5802E-05	0.011599334
734.079988	975.291402	2.2011E-05	0.016157811
734.119988	1287.119073	2.90485E-05	0.021325073
734.159988	1504.587144	3.39564E-05	0.024929457
734.199988	1586.373814	3.58022E-05	0.02628601
734.239988	1539.173452	3.4737E-05	0.025505295
734.279988	1385.579173	3.12706E-05	0.02296137
734.319988	1145.740555	2.58578E-05	0.018987876
734.359988	867.469711	1.95776E-05	0.014376994
734.399988	665.860909	1.50276E-05	0.011036235
734.439988	508.819629	1.14834E-05	0.008433832
734.479988	384.880151	8.68621E-06	0.006379847
734.519988	337.373741	7.61406E-06	0.005592676
734.559988	343.663603	7.75601E-06	0.005697254
734.599988	377.932742	8.52942E-06	0.006265709
734.639988	414.121113	9.34614E-06	0.006866046
734.679988	413.690265	9.33641E-06	0.006859276
734.719988	395.369589	8.92294E-06	0.006555863
734.759988	407.113386	9.18798E-06	0.006750962
734.799988	451.34619	1.01863E-05	0.00748486
734.839988	515.658355	1.16377E-05	0.008551841
734.879988	569.040328	1.28424E-05	0.009437658
734.919988	586.543412	1.32375E-05	0.00972848
734.959988	642.322073	1.44963E-05	0.010654211
734.999988	821.651988	1.85435E-05	0.013629502
735.039988	1156.473201	2.61E-05	0.019184536
735.079988	1608.695217	3.6306E-05	0.026687822
735.119988	2048.654944	4.62353E-05	0.033988485

735.159988	2268.603508	5.11992E-05	0.037639619
735.199988	2223.792206	5.01879E-05	0.036898138
735.239988	2065.57617	4.66172E-05	0.034274813
735.279988	1885.531032	4.25538E-05	0.031288964
735.319988	1619.878742	3.65584E-05	0.026882127
735.359988	1252.783291	2.82736E-05	0.020791255
735.399988	947.231137	2.13777E-05	0.015721151
735.439988	684.307161	1.54439E-05	0.011358032
735.479988	472.509055	1.06639E-05	0.007843064
735.519988	348.621131	7.86789E-06	0.005786993
735.559988	323.036235	7.29048E-06	0.005362584
735.599988	354.795141	8.00723E-06	0.00589012
735.639988	375.521292	8.47499E-06	0.006234543
735.679988	385.259761	8.69478E-06	0.006396573
735.719988	413.261474	9.32674E-06	0.006861866
735.759988	389.709239	8.79519E-06	0.006471152
735.799988	388.222213	8.76163E-06	0.006446811
735.839988	401.749062	9.06692E-06	0.0066718
735.879988	381.147904	8.60198E-06	0.006330023
735.919988	360.270705	8.13081E-06	0.005983624
735.959988	384.055035	8.66759E-06	0.006378997
735.999988	494.501414	1.11602E-05	0.008213913
736.039988	692.982321	1.56396E-05	0.011511405
736.079988	925.884388	2.08959E-05	0.015381069
736.119988	1196.949296	2.70135E-05	0.019885161
736.159988	1431.061201	3.22971E-05	0.023775802
736.199988	1552.223167	3.50315E-05	0.025790201
736.239988	1500.977199	3.3875E-05	0.024940104
736.279988	1346.651295	3.0392E-05	0.022377054
736.319988	1159.034558	2.61578E-05	0.019260508
736.359988	942.953622	2.12811E-05	0.015670587
736.399988	698.814623	1.57713E-05	0.011613965
736.439988	541.957253	1.22312E-05	0.00900756
736.479988	442.824915	9.99394E-06	0.007360338
736.519988	375.088082	8.46522E-06	0.0062348
736.559988	350.70607	7.91495E-06	0.005829834
736.599988	376.268978	8.49187E-06	0.006255109
736.639988	426.625196	9.62834E-06	0.007092618
736.679988	481.989678	1.08778E-05	0.008013484
736.719988	492.377644	1.11123E-05	0.008186637
736.759988	456.196874	1.02957E-05	0.00758548
736.799988	422.968729	9.54582E-06	0.007033356
736.839988	424.15145	9.57251E-06	0.007053406
736.879988	442.560819	9.98798E-06	0.007359944
736.919988	458.214823	1.03413E-05	0.007620689
736.959988	535.296214	1.20809E-05	0.008903133

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737.079988	1510.80715	3.40968E-05	0.025132079
737.119988	1928.244097	4.35178E-05	0.032077828
737.159988	2214.70507	4.99828E-05	0.036845327
737.199988	2273.917255	5.13191E-05	0.037832473
737.239988	2105.873505	4.75266E-05	0.035038533
737.279988	1795.231696	4.05159E-05	0.029871547
737.319988	1454.04689	3.28158E-05	0.024195755
737.359988	1114.627488	2.51556E-05	0.018548725
737.399988	804.380257	1.81537E-05	0.013386569
737.439988	553.573106	1.24934E-05	0.009213114
737.479988	391.972072	8.84626E-06	0.006523942
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737.559988	335.048315	7.56157E-06	0.005577114
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737.639988	403.518375	9.10685E-06	0.006717575
737.679988	432.912356	9.77023E-06	0.007207302
737.719988	428.160931	9.663E-06	0.007128585
737.759988	391.778032	8.84188E-06	0.006523189
737.799988	354.376273	7.99778E-06	0.005900761
737.839988	333.46252	7.52578E-06	0.005552825
737.879988	333.353296	7.52332E-06	0.005551307
737.919988	342.563005	7.73117E-06	0.005704985
737.959988	360.88252	8.14462E-06	0.006010401
737.999988	433.031543	9.77292E-06	0.007212414
738.039988	620.13997	1.39957E-05	0.010329383
738.079988	885.259756	1.99791E-05	0.014746159
738.119988	1166.914423	2.63356E-05	0.019438857
738.159988	1400.372039	3.16044E-05	0.023329138
738.199988	1455.674563	3.28525E-05	0.02425175
738.239988	1387.510546	3.13142E-05	0.02311738
738.279988	1284.316202	2.89852E-05	0.021399214
738.319988	1095.051847	2.47138E-05	0.018246689
738.359988	851.950772	1.92273E-05	0.0141967
738.399988	613.928113	1.38555E-05	0.010230903
738.439988	461.913712	1.04247E-05	0.007698052
738.479988	368.77172	8.32266E-06	0.006146121
738.519988	315.575659	7.1221E-06	0.005259815
738.559988	312.866661	7.06096E-06	0.005214946
738.599988	377.157669	8.51192E-06	0.006286906
738.639988	465.947615	1.05158E-05	0.007767382
738.679988	506.382291	1.14283E-05	0.008441888
738.719988	470.946576	1.06286E-05	0.007851565
738.759988	401.14672	9.05332E-06	0.006688233
738.799988	340.07269	7.67497E-06	0.005670265

738.839988	322.650782	7.28178E-06	0.005380069
738.879988	338.543724	7.64046E-06	0.005645383
738.919988	362.915765	8.1905E-06	0.006052127
738.959988	417.946851	9.43248E-06	0.006970224
738.999988	578.766527	1.3062E-05	0.009652784
739.039988	872.683275	1.96952E-05	0.014555574
739.079988	1278.180158	2.88467E-05	0.021320053
739.119988	1720.7717	3.88354E-05	0.028704035
739.159988	2019.43872	4.55759E-05	0.033687896
739.199988	2142.090865	4.8344E-05	0.035735889
739.239988	2066.189665	4.6631E-05	0.034471517
739.279988	1751.526109	3.95295E-05	0.029223372
739.319988	1354.807301	3.05761E-05	0.022605532
739.359988	1049.016568	2.36748E-05	0.017504231
739.399988	784.405701	1.77029E-05	0.013089557
739.439988	533.311487	1.20361E-05	0.008899972
739.479988	382.603906	8.63484E-06	0.006385289
739.519988	314.092517	7.08863E-06	0.005242184
739.559988	282.711524	6.38041E-06	0.004718692
739.599988	313.491902	7.07508E-06	0.005232726
739.639988	357.585047	8.0702E-06	0.00596904
739.679988	386.029076	8.71214E-06	0.006444195
739.719988	409.077157	9.2323E-06	0.006829318
739.759988	387.542343	8.74629E-06	0.006470156
739.799988	338.552078	7.64065E-06	0.005652552
739.839988	295.774092	6.67521E-06	0.004938587
739.879988	269.070179	6.07254E-06	0.00449295
739.919988	268.013004	6.04868E-06	0.004475539
739.959988	298.641189	6.73992E-06	0.004987268
739.999988	414.623612	9.35748E-06	0.006924533
740.039988	623.143275	1.40635E-05	0.010407534
740.079988	883.038112	1.99289E-05	0.01474901
740.119988	1143.356686	2.5804E-05	0.019098032
740.159988	1390.192013	3.13747E-05	0.023222296
740.199988	1495.735061	3.37567E-05	0.024986677
740.239988	1429.767781	3.22679E-05	0.023885966
740.279988	1300.239638	2.93446E-05	0.021723218
740.319988	1094.562918	2.47028E-05	0.018287947
740.359988	858.826238	1.93825E-05	0.014350036
740.399988	661.720577	1.49341E-05	0.011057216
740.439988	529.895442	1.1959E-05	0.008854923
740.479988	434.479197	9.80559E-06	0.007260843
740.519988	351.478913	7.93239E-06	0.005874093
740.559988	335.867265	7.58006E-06	0.005613486
740.599988	381.836162	8.61751E-06	0.006382128
740.639988	426.384028	9.62289E-06	0.0071271

740.679988	460.797506	1.03996E-05	0.007702744
740.719988	468.037701	1.0563E-05	0.007824195
740.759988	435.983955	9.83955E-06	0.007288745
740.799988	411.89905	9.29599E-06	0.006886468
740.839988	379.510014	8.56501E-06	0.006345304
740.879988	358.347171	8.0874E-06	0.00599179
740.919988	385.317267	8.69607E-06	0.006443095
740.959988	464.964214	1.04936E-05	0.007775334
740.999988	605.365184	1.36622E-05	0.010123726
741.039988	818.106551	1.84635E-05	0.013682211
741.079988	1168.160529	2.63638E-05	0.019537652
741.119988	1583.55766	3.57387E-05	0.026486658
741.159988	1983.418243	4.4763E-05	0.033176535
741.199988	2196.561966	4.95733E-05	0.036743762
741.239988	2085.631995	4.70698E-05	0.034890025
741.279988	1743.86226	3.93565E-05	0.029174217
741.319988	1415.827653	3.19533E-05	0.023687589
741.359988	1083.807191	2.446E-05	0.018133679
741.399988	772.420308	1.74325E-05	0.012924419
741.439988	551.870693	1.2455E-05	0.0092346
741.479988	403.722744	9.11146E-06	0.006755965
741.519988	338.64532	7.64275E-06	0.005667254
741.559988	323.323757	7.29697E-06	0.005411139
741.599988	325.48832	7.34582E-06	0.005447659
741.639988	343.931153	7.76205E-06	0.005756644
741.679988	366.969066	8.28198E-06	0.006142579
741.719988	355.207183	8.01653E-06	0.005946022
741.759988	339.603072	7.66437E-06	0.005685122
741.799988	333.633429	7.52964E-06	0.005585488
741.839988	319.179686	7.20344E-06	0.005343801
741.879988	311.694142	7.0345E-06	0.005218757
741.919988	310.322645	7.00355E-06	0.005196074
741.959988	327.040659	7.38085E-06	0.005476297
741.999988	412.811508	9.31658E-06	0.006912903
742.039988	578.09612	1.30468E-05	0.009681265
742.079988	801.929937	1.80984E-05	0.013430491
742.119988	1046.523378	2.36186E-05	0.017527817
742.159988	1235.104694	2.78746E-05	0.020687407
742.199988	1361.71655	3.0732E-05	0.022809324
742.239988	1373.713594	3.10028E-05	0.02301152
742.279988	1287.257374	2.90516E-05	0.021564426
742.319988	1118.16596	2.52354E-05	0.018732778
742.359988	854.482725	1.92845E-05	0.01431603
742.399988	618.209487	1.39521E-05	0.010358059
742.439988	459.286531	1.03655E-05	0.00769573
742.479988	348.335579	7.86145E-06	0.005836968

742.519988	298.731454	6.74195E-06	0.005006035
742.559988	310.864018	7.01577E-06	0.005209629
742.599988	364.634984	8.2293E-06	0.006111081
742.639988	404.077098	9.11946E-06	0.006772474
742.679988	447.373282	1.00966E-05	0.007498537
742.719988	487.940707	1.10121E-05	0.008178938
742.759988	456.518457	1.0303E-05	0.007652646
742.799988	404.159975	9.12133E-06	0.006775322
742.839988	360.779303	8.14229E-06	0.006048416
742.879988	344.603883	7.77723E-06	0.005777548
742.919988	382.467263	8.63175E-06	0.006412702
742.959988	482.077568	1.08798E-05	0.00808327
742.999988	636.186464	1.43578E-05	0.010667877
743.039988	832.588537	1.87904E-05	0.013961992
743.079988	1124.173266	2.5371E-05	0.018852701
743.119988	1463.036594	3.30187E-05	0.024536855
743.159988	1692.283433	3.81925E-05	0.028383123
743.199988	1789.464564	4.03857E-05	0.030014669
743.239988	1753.32612	3.95701E-05	0.029410102
743.279988	1580.89191	3.56785E-05	0.026519136
743.319988	1296.949708	2.92703E-05	0.021757235
743.359988	963.192196	2.17379E-05	0.01615909
743.399988	702.919106	1.58639E-05	0.011793227
743.439988	521.178541	1.17623E-05	0.008744545
743.479988	399.765892	9.02216E-06	0.006707795
743.519988	341.361187	7.70405E-06	0.005728113
743.559988	341.762874	7.71311E-06	0.005735161
743.599988	347.80842	7.84955E-06	0.005836926
743.639988	355.764324	8.02911E-06	0.005970764
743.679988	354.342597	7.99702E-06	0.005947223
743.719988	360.126714	8.12756E-06	0.006044628
743.759988	379.069167	8.55506E-06	0.006362914
743.799988	363.755092	8.20945E-06	0.006106186
743.839988	314.343408	7.09429E-06	0.005277019
743.879988	302.97196	6.83766E-06	0.005086395
743.919988	311.540816	7.03104E-06	0.005230533
743.959988	350.90284	7.91939E-06	0.005891708
743.999988	436.724854	9.85627E-06	0.007333066
744.039988	599.867254	1.35382E-05	0.010072939
744.079988	815.780184	1.8411E-05	0.013699273
744.119988	1062.108369	2.39703E-05	0.017836784
744.159988	1258.052422	2.83925E-05	0.021128556
744.199988	1372.465504	3.09746E-05	0.023051323
744.239988	1369.103038	3.08987E-05	0.022996084
744.279988	1218.030808	2.74893E-05	0.020459705
744.319988	1000.974301	2.25906E-05	0.016814632

744.359988	792.018869	1.78748E-05	0.013305258
744.399988	613.07893	1.38363E-05	0.010299769
744.439988	481.658543	1.08704E-05	0.008092332
744.479988	372.219398	8.40047E-06	0.006253984
744.519988	312.361701	7.04957E-06	0.005248545
744.559988	320.605227	7.23561E-06	0.005387348
744.599988	360.413718	8.13404E-06	0.006056603
744.639988	387.962334	8.75577E-06	0.006519896
744.679988	417.157382	9.41466E-06	0.00701091
744.719988	427.355039	9.64481E-06	0.007182681
744.759988	423.887093	9.56654E-06	0.007124777
744.799988	414.318819	9.3506E-06	0.006964326
744.839988	396.583207	8.95033E-06	0.006666564
744.879988	390.691808	8.81737E-06	0.006567882
744.919988	399.948664	9.02628E-06	0.00672386
744.959988	506.683337	1.14351E-05	0.00851872
744.999988	687.459509	1.5515E-05	0.011558677
745.039988	895.476771	2.02097E-05	0.015057007
745.079988	1289.205364	2.90956E-05	0.021678526
745.119988	1768.870091	3.99209E-05	0.029745886
745.159988	2118.035046	4.78011E-05	0.035619468
745.199988	2199.828786	4.96471E-05	0.036996997
745.239988	2052.940185	4.6332E-05	0.034528459
745.279988	1814.997262	4.0962E-05	0.030528129
745.319988	1534.125393	3.46231E-05	0.025805269
745.359988	1211.922773	2.73514E-05	0.020386646
745.399988	923.933426	2.08519E-05	0.015542999
745.439988	706.904431	1.59538E-05	0.011892637
745.479988	537.412636	1.21287E-05	0.009041669
745.519988	436.613344	9.85376E-06	0.007346171
745.559988	377.901942	8.52872E-06	0.006358673
745.599988	367.564308	8.29541E-06	0.006185061
745.639988	392.028336	8.84753E-06	0.006597075
745.679988	417.502832	9.42246E-06	0.007026138
745.719988	423.396508	9.55547E-06	0.007125705
745.759988	396.027427	8.93779E-06	0.006665444
745.799988	351.334951	7.92914E-06	0.005913553
745.839988	309.603899	6.98733E-06	0.005211429
745.879988	295.814846	6.67613E-06	0.004979591
745.919988	319.504507	7.21077E-06	0.005378659
745.959988	381.422206	8.60817E-06	0.006421349
745.999988	498.666507	1.12542E-05	0.008395639
746.039988	675.815899	1.52522E-05	0.011378769
746.079988	909.325905	2.05222E-05	0.015311217
746.119988	1169.579417	2.63958E-05	0.019694418
746.159988	1426.438068	3.21927E-05	0.02402092

746.199988	1615.138801	3.64514E-05	0.027200059
746.239988	1613.285542	3.64096E-05	0.027170305
746.279988	1438.776579	3.24712E-05	0.024232594
746.319988	1212.465793	2.73637E-05	0.020422049
746.359988	979.583931	2.21078E-05	0.016500411
746.399988	770.981216	1.74E-05	0.012987339
746.439988	567.052834	1.27976E-05	0.009552635
746.479988	424.873945	9.58881E-06	0.007157857
746.519988	371.818663	8.39143E-06	0.00626437
746.559988	354.556718	8.00185E-06	0.005973862
746.599988	374.493657	8.4518E-06	0.006310114
746.639988	438.542891	9.8973E-06	0.007389722
746.679988	434.368303	9.80309E-06	0.007319769
746.719988	423.872396	9.56621E-06	0.00714328
746.759988	410.842292	9.27214E-06	0.006924062
746.799988	365.936759	8.25868E-06	0.006167584
746.839988	338.456654	7.6385E-06	0.005704734
746.879988	365.094585	8.23968E-06	0.006154049
746.919988	446.755134	1.00826E-05	0.007530926
746.959988	611.211813	1.37942E-05	0.010303715
746.999988	930.067151	2.09903E-05	0.015679769
747.039988	1401.093959	3.16207E-05	0.023621957
747.079988	1914.165582	4.32001E-05	0.032273894
747.119988	2326.09163	5.24966E-05	0.039221295
747.159988	2610.204823	5.89087E-05	0.044014214
747.199988	2594.403793	5.85521E-05	0.043750113
747.239988	2342.938869	5.28769E-05	0.039511709
747.279988	1923.292368	4.3406E-05	0.032436457
747.319988	1418.662598	3.20172E-05	0.023927123
747.359988	1027.180078	2.3182E-05	0.017325317
747.399988	781.400433	1.76351E-05	0.013180488
747.439988	595.239418	1.34337E-05	0.010040903
747.479988	454.016618	1.02465E-05	0.007659071
747.519988	374.590726	8.45399E-06	0.006319527
747.559988	349.536025	7.88854E-06	0.005897158
747.599988	355.49549	8.02304E-06	0.005998023
747.639988	362.368335	8.17815E-06	0.006114311
747.679988	351.267804	7.92763E-06	0.005927327
747.719988	367.127012	8.28555E-06	0.006195268
747.759988	396.50417	8.94855E-06	0.006691365
747.799988	384.383816	8.67501E-06	0.00648717
747.839988	352.98986	7.96649E-06	0.005957659
747.879988	327.934757	7.40103E-06	0.005535083
747.919988	331.178691	7.47424E-06	0.005590135
747.959988	401.805739	9.0682E-06	0.006782648
747.999988	546.378415	1.2331E-05	0.009223588

748.039988	792.675392	1.78896E-05	0.013382121
748.079988	1081.3342	2.44042E-05	0.018256299
748.119988	1413.206644	3.18941E-05	0.023860618
748.159988	1678.064573	3.78716E-05	0.028334001
748.199988	1779.782664	4.01672E-05	0.03005311
748.239988	1724.993544	3.89307E-05	0.029129508
748.279988	1525.508587	3.44286E-05	0.025762235
748.319988	1268.462384	2.86274E-05	0.021422477
748.359988	1046.114515	2.36093E-05	0.017668291
748.399988	822.583564	1.85646E-05	0.01389372
748.439988	620.317044	1.39997E-05	0.010477929
748.479988	463.470822	1.04599E-05	0.007829019
748.519988	378.182092	8.53504E-06	0.00638865
748.559988	358.172908	8.08346E-06	0.006050957
748.599988	363.126305	8.19525E-06	0.006134968
748.639988	399.323931	9.01218E-06	0.006746882
748.679988	441.747649	9.96963E-06	0.007464062
748.719988	475.960776	1.07418E-05	0.008042579
748.759988	455.447254	1.02788E-05	0.007696362
748.799988	390.799929	8.81981E-06	0.006604274
748.839988	378.352393	8.53889E-06	0.00639426
748.879988	449.869148	1.01529E-05	0.007603319
748.919988	543.833409	1.22736E-05	0.009191916
748.959988	785.332618	1.77239E-05	0.013274464
748.999988	1286.665969	2.90383E-05	0.021749655
749.039988	2093.590901	4.72494E-05	0.035391713
749.079988	3008.769863	6.79037E-05	0.050865336
749.119988	3627.000462	8.18563E-05	0.061320227
749.159988	3813.127175	8.6057E-05	0.064470438
749.199988	3499.218896	7.89725E-05	0.059166193
749.239988	2844.799633	6.42032E-05	0.048103579
749.279988	2164.59668	4.88519E-05	0.036603775
749.319988	1594.623374	3.59884E-05	0.026966849
749.359988	1167.740289	2.63543E-05	0.019748837
749.399988	832.384703	1.87858E-05	0.014078051
749.439988	580.512184	1.31014E-05	0.009818677
749.479988	433.05394	9.77342E-06	0.007324986
749.519988	346.913635	7.82936E-06	0.00586826
749.559988	325.366656	7.34307E-06	0.005504073
749.599988	329.106199	7.42747E-06	0.00556763
749.639988	356.513206	8.04601E-06	0.006031608
749.679988	430.94768	9.72589E-06	0.007291304
749.719988	442.607701	9.98904E-06	0.007488982
749.759988	399.642614	9.01938E-06	0.006762368
749.799988	357.646975	8.07159E-06	0.006052081
749.839988	337.643303	7.62014E-06	0.005713885

749.879988	331.436805	7.48007E-06	0.005609153
749.919988	377.214634	8.51321E-06	0.006384225
749.959988	491.092609	1.10833E-05	0.008312014
749.999988	694.146186	1.56659E-05	0.011749434
750.039988	1026.491625	2.31665E-05	0.017375791
750.079988	1502.567395	3.39109E-05	0.025435852
750.119988	1865.33011	4.20979E-05	0.031578478
750.159988	2047.149021	4.62013E-05	0.034658368
750.199988	2092.337932	4.72212E-05	0.035425308
750.239988	1961.626381	4.42712E-05	0.033214006
750.279988	1624.62376	3.66655E-05	0.027509387
750.319988	1247.994448	2.81655E-05	0.021133135
750.359988	925.733527	2.08925E-05	0.015676908
750.399988	679.160219	1.53277E-05	0.011501906
750.439988	502.58424	1.13426E-05	0.00851196
750.479988	414.652511	9.35813E-06	0.007023089
750.519988	373.888356	8.43814E-06	0.006332992
750.559988	354.770959	8.00669E-06	0.006009498
750.599988	397.83095	8.97849E-06	0.006739255
750.639988	482.646069	1.08926E-05	0.008176458
750.679988	557.849762	1.25899E-05	0.00945098
750.719988	570.406254	1.28733E-05	0.009664225
750.759988	534.951475	1.20731E-05	0.009064008
750.799988	483.157934	1.09042E-05	0.008186874
750.839988	449.287117	1.01398E-05	0.007613356
750.879988	454.758419	1.02633E-05	0.00770648
750.919988	500.369699	1.12926E-05	0.008479874
750.959988	616.141841	1.39055E-05	0.010442446
750.999988	896.590776	2.02348E-05	0.015196338
751.039988	1301.223487	2.93668E-05	0.022055642
751.079988	1777.890889	4.01245E-05	0.030136725
751.119988	2197.961418	4.96049E-05	0.037259253
751.159988	2425.947108	5.47502E-05	0.041126195
751.199988	2429.124634	5.4822E-05	0.041182255
751.239988	2235.358654	5.04489E-05	0.037899254
751.279988	1856.836933	4.19062E-05	0.031483307
751.319988	1404.877244	3.17061E-05	0.023821444
751.359988	1032.798742	2.33088E-05	0.017513322
751.399988	766.586736	1.73008E-05	0.012999817
751.439988	568.385792	1.28277E-05	0.009639228
751.479988	458.872734	1.03561E-05	0.007782416
751.519988	415.806253	9.38417E-06	0.00705239
751.559988	397.523861	8.97156E-06	0.006742665
751.599988	431.784667	9.74478E-06	0.007324175
751.639988	473.848371	1.06941E-05	0.008038111
751.679988	477.476802	1.0776E-05	0.008100093

751.719988	444.960971	1.00421E-05	0.007548884
751.759988	409.427595	9.24021E-06	0.006946421
751.799988	384.931557	8.68737E-06	0.006531164
751.839988	333.437578	7.52522E-06	0.005657763
751.879988	315.739789	7.12581E-06	0.005357752
751.919988	339.366308	7.65902E-06	0.005758974
751.959988	406.709084	9.17886E-06	0.006902134
751.999988	528.597936	1.19297E-05	0.008971149
752.039988	746.251766	1.68419E-05	0.012665754
752.079988	978.460584	2.20825E-05	0.016607801
752.119988	1256.315099	2.83533E-05	0.02132507
752.159988	1498.581753	3.38209E-05	0.02543873
752.199988	1592.056495	3.59305E-05	0.02702692
752.239988	1508.680977	3.40488E-05	0.02561289
752.279988	1312.021958	2.96105E-05	0.022275393
752.319988	1072.281958	2.41999E-05	0.018206076
752.359988	838.850542	1.89317E-05	0.014243445
752.399988	613.015495	1.38349E-05	0.010409383
752.439988	450.282377	1.01622E-05	0.00764648
752.479988	382.954819	8.64276E-06	0.006503502
752.519988	358.070979	8.08116E-06	0.006081237
752.559988	342.101567	7.72076E-06	0.005810332
752.599988	363.283846	8.19881E-06	0.006170425
752.639988	400.819132	9.04593E-06	0.006808328
752.679988	429.217836	9.68685E-06	0.007291097
752.719988	421.044168	9.50238E-06	0.007152632
752.759988	432.898918	9.76993E-06	0.007354409
752.799988	447.8165	1.01066E-05	0.007608244
752.839988	414.868232	9.363E-06	0.007048839
752.879988	382.689557	8.63677E-06	0.006502451
752.919988	412.754833	9.3153E-06	0.007013677
752.959988	504.121804	1.13773E-05	0.008566672
752.999988	657.051088	1.48287E-05	0.011166032
753.039988	904.695998	2.04177E-05	0.015375366
753.079988	1247.938827	2.81642E-05	0.021209926
753.119988	1627.919311	3.67399E-05	0.027669531
753.159988	1950.629895	4.4023E-05	0.033156362
753.199988	2063.642412	4.65735E-05	0.035079186
753.239988	1953.200158	4.4081E-05	0.033203577
753.279988	1708.531479	3.85592E-05	0.029045855
753.319988	1402.712578	3.16573E-05	0.023848054
753.359988	1050.880478	2.37169E-05	0.01786737
753.399988	754.171764	1.70206E-05	0.012823325
753.439988	547.627794	1.23592E-05	0.009311913
753.479988	406.175038	9.1668E-06	0.006907004
753.519988	342.692709	7.7341E-06	0.005827797

753.559988	337.2255	7.61071E-06	0.005735126
753.599988	348.025581	7.85445E-06	0.005919115
753.639988	397.699962	8.97553E-06	0.006764321
753.679988	437.699883	9.87828E-06	0.007445059
753.719988	434.098918	9.79701E-06	0.007384201
753.759988	396.218665	8.9421E-06	0.0067402
753.799988	364.371069	8.22335E-06	0.006198759
753.839988	323.541841	7.30189E-06	0.005504456
753.879988	295.89762	6.678E-06	0.005034408
753.919988	291.148618	6.57082E-06	0.004953872
753.959988	341.900075	7.71621E-06	0.005817712
753.999988	440.28504	9.93662E-06	0.007492211
754.039988	588.42211	1.32799E-05	0.010013551
754.079988	797.071898	1.79888E-05	0.013564996
754.119988	1065.903973	2.4056E-05	0.018141086
754.159988	1305.589676	2.94653E-05	0.022221581
754.199988	1416.357735	3.19652E-05	0.024108169
754.239988	1392.709357	3.14315E-05	0.023706902
754.279988	1229.804672	2.7755E-05	0.020935025
754.319988	1029.23002	2.32283E-05	0.017521562
754.359988	844.076646	1.90496E-05	0.014370282
754.399988	642.735569	1.45056E-05	0.01094306
754.439988	465.661242	1.05093E-05	0.007928655
754.479988	341.067727	7.69742E-06	0.005807552
754.519988	288.296554	6.50645E-06	0.004909248
754.559988	294.467936	6.64573E-06	0.005014603
754.599988	339.58251	7.6639E-06	0.005783182
754.639988	393.472147	8.88012E-06	0.006701292
754.679988	420.17409	9.48274E-06	0.007156437
754.719988	432.170074	9.75348E-06	0.007361144
754.759988	415.411942	9.37527E-06	0.007076078
754.799988	416.445455	9.39859E-06	0.007094059
754.839988	412.773437	9.31572E-06	0.007031879
754.879988	401.387203	9.05875E-06	0.006838269
754.919988	408.527048	9.21989E-06	0.006960277
754.959988	438.509612	9.89655E-06	0.0074715
754.999988	545.202165	1.23045E-05	0.009289862
755.039988	773.741908	1.74623E-05	0.013184718
755.079988	1116.024545	2.51871E-05	0.01901829
755.119988	1493.604929	3.37086E-05	0.025454025
755.159988	1753.405182	3.95719E-05	0.029883125
755.199988	1934.579043	4.36608E-05	0.032972601
755.239988	1939.654826	4.37753E-05	0.033060863
755.279988	1729.828162	3.90398E-05	0.029485989
755.319988	1411.263673	3.18503E-05	0.024057135
755.359988	1090.896571	2.462E-05	0.018596975

755.399988	795.496823	1.79533E-05	0.013561889
755.439988	583.764621	1.31748E-05	0.009952736
755.479988	433.16654	9.77597E-06	0.007385546
755.519988	359.703625	8.11801E-06	0.006133319
755.559988	351.167506	7.92536E-06	0.005988086
755.599988	375.429849	8.47293E-06	0.006402145
755.639988	393.494228	8.88062E-06	0.006710549
755.679988	395.037542	8.91545E-06	0.006737225
755.719988	378.491979	8.54204E-06	0.006455388
755.759988	350.529188	7.91096E-06	0.005978784
755.799988	334.379063	7.54647E-06	0.005703622
755.839988	346.745501	7.82556E-06	0.005914873
755.879988	319.71091	7.21543E-06	0.005453999
755.919988	291.790609	6.58531E-06	0.004977966
755.959988	318.061412	7.1782E-06	0.005426434
755.999988	407.325108	9.19276E-06	0.006949727
756.039988	548.284666	1.2374E-05	0.009355255
756.079988	723.079242	1.63189E-05	0.012338387
756.119988	979.805736	2.21129E-05	0.016719968
756.159988	1242.666399	2.80452E-05	0.021206696
756.199988	1393.2974	3.14448E-05	0.023778543
756.239988	1392.765004	3.14328E-05	0.023770715
756.279988	1254.421905	2.83106E-05	0.021410706
756.319988	1029.769171	2.32405E-05	0.017577221
756.359988	780.110327	1.7606E-05	0.013316477
756.399988	579.106901	1.30696E-05	0.009885873
756.439988	465.310688	1.05014E-05	0.00794369
756.479988	372.831881	8.4143E-06	0.006365247
756.519988	304.31038	6.86786E-06	0.005195674
756.559988	313.885831	7.08397E-06	0.005359445
756.599988	385.001025	8.68894E-06	0.00657405
756.639988	429.748859	9.69883E-06	0.007338525
756.679988	410.706444	9.26907E-06	0.007013722
756.719988	371.597084	8.38643E-06	0.006346178
756.759988	360.75516	8.14174E-06	0.006161344
756.799988	379.686714	8.569E-06	0.006485019
756.839988	375.293561	8.46985E-06	0.006410323
756.879988	384.215978	8.67122E-06	0.006563072
756.919988	401.477662	9.06079E-06	0.006858294
756.959988	457.934705	1.03349E-05	0.007823142
756.999988	637.193781	1.43806E-05	0.010886096
757.039988	950.419536	2.14496E-05	0.016238239
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757.119988	1684.399607	3.80146E-05	0.028781578
757.159988	2047.9938	4.62204E-05	0.034996213
757.199988	2215.924403	5.00103E-05	0.037867819

757.239988	2185.849552	4.93316E-05	0.037355845
757.279988	1991.071604	4.49357E-05	0.034028916
757.319988	1591.762114	3.59239E-05	0.027205853
757.359988	1186.25267	2.67721E-05	0.020276095
757.399988	868.576912	1.96026E-05	0.014846987
757.439988	628.338948	1.41807E-05	0.010741056
757.479988	445.961004	1.00647E-05	0.007623823
757.519988	351.886196	7.94158E-06	0.006015907
757.559988	307.351228	6.93649E-06	0.005254807
757.599988	345.510212	7.79768E-06	0.005907525
757.639988	408.709108	9.224E-06	0.006988468
757.679988	441.140616	9.95593E-06	0.007543408
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757.959988	339.38052	7.65935E-06	0.005805478
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758.159988	1619.947889	3.656E-05	0.027718304
758.199988	1860.505973	4.1989E-05	0.031836081
758.239988	1860.922718	4.19984E-05	0.031844892
758.279988	1617.049245	3.64945E-05	0.027673086
758.319988	1256.515111	2.83578E-05	0.021504283
758.359988	929.931568	2.09873E-05	0.015915898
758.399988	683.046583	1.54154E-05	0.011691047
758.439988	535.490736	1.20853E-05	0.00916596
758.479988	423.557253	9.5591E-06	0.007250384
758.519988	342.323938	7.72577E-06	0.005860154
758.559988	341.10481	7.69826E-06	0.005839592
758.599988	416.397275	9.39751E-06	0.007128948
758.639988	520.239669	1.17411E-05	0.008907256
758.679988	571.772704	1.29041E-05	0.009790093
758.719988	591.783686	1.33557E-05	0.010133262
758.759988	567.698122	1.28122E-05	0.009721351
758.799988	485.175582	1.09497E-05	0.00830866
758.839988	430.800381	9.72256E-06	0.007377871
758.879988	419.155339	9.45975E-06	0.007178817
758.919988	422.112324	9.52649E-06	0.007229842
758.959988	450.528591	1.01678E-05	0.007716955
758.999988	594.867223	1.34253E-05	0.010189821
759.039988	893.494204	2.01649E-05	0.01530598

759.079988	1227.182221	2.76958E-05	0.021023323
759.119988	1542.81587	3.48192E-05	0.026431955
759.159988	1857.504074	4.19213E-05	0.031824958
759.199988	2064.308829	4.65886E-05	0.035370046
759.239988	2058.65059	4.64609E-05	0.035274955
759.279987	1841.56856	4.15616E-05	0.031556919
759.319987	1476.276246	3.33175E-05	0.025298643
759.359987	1100.365437	2.48337E-05	0.01885773
759.399987	779.092335	1.7583E-05	0.013352552
759.439987	567.622216	1.28104E-05	0.009728763
759.479987	451.778224	1.0196E-05	0.007743662
759.519987	396.267748	8.94321E-06	0.006792548
759.559987	361.361291	8.15542E-06	0.006194531
759.599987	356.22865	8.03958E-06	0.006106868
759.639987	383.641716	8.65826E-06	0.00657716
759.679987	434.417858	9.80421E-06	0.007448059
759.719987	469.229305	1.05899E-05	0.008045322
759.759987	454.493956	1.02573E-05	0.007793083
759.799987	394.882925	8.91196E-06	0.006771305
759.839987	337.531599	7.61762E-06	0.005788171
759.879987	314.325413	7.09389E-06	0.005390503
759.919987	313.606201	7.07766E-06	0.005378452
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759.999987	445.016657	1.00434E-05	0.007632988
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760.119987	995.548012	2.24681E-05	0.017078476
760.159987	1232.720503	2.78208E-05	0.021148247
760.199987	1377.324225	3.10843E-05	0.023630276
760.239987	1377.885783	3.1097E-05	0.023641155
760.279987	1263.663629	2.85191E-05	0.021682522
760.319987	1069.443598	2.41359E-05	0.018350971
760.359987	829.656851	1.87242E-05	0.014237132
760.399987	619.907406	1.39904E-05	0.010638335
760.439987	483.483651	1.09116E-05	0.008297581
760.479987	399.382767	9.01351E-06	0.006854596
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760.559987	340.53061	7.6853E-06	0.005845133
760.599987	374.193432	8.44502E-06	0.006423286
760.639987	408.090857	9.21004E-06	0.007005526
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760.719987	478.185291	1.0792E-05	0.008209672
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761.039987	1015.934751	2.29282E-05	0.017449302
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761.119987	1541.150831	3.47816E-05	0.026472992
761.159987	1805.369607	4.07447E-05	0.031013218
761.199987	1936.09183	4.36949E-05	0.033260554
761.239987	1869.345129	4.21885E-05	0.032115585
761.279987	1646.360459	3.71561E-05	0.028286167
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761.359987	1170.715179	2.64214E-05	0.020116205
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761.639987	400.068891	9.029E-06	0.006876846
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761.719987	400.615629	9.04134E-06	0.006886967
761.759987	394.793243	8.90993E-06	0.006787231
761.799987	374.716042	8.45682E-06	0.006442405
761.839987	335.628108	7.57466E-06	0.005770678
761.879987	309.310691	6.98071E-06	0.005318464
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761.959987	382.603008	8.63482E-06	0.006579385
761.999987	466.416525	1.05264E-05	0.008021095
762.039987	623.2275	1.40654E-05	0.010718379
762.079987	877.198118	1.97971E-05	0.015087004
762.119987	1092.761825	2.46621E-05	0.018795489
762.159987	1222.140249	2.7582E-05	0.021021899
762.199987	1222.239027	2.75842E-05	0.021024702
762.239987	1155.302828	2.60736E-05	0.019874322
762.279987	1125.238732	2.53951E-05	0.019358154
762.319987	1071.764563	2.41882E-05	0.018439174
762.359987	923.298161	2.08376E-05	0.015885717
762.399987	708.169434	1.59824E-05	0.01218498
762.439987	538.163799	1.21456E-05	0.009260297
762.479987	450.098845	1.01581E-05	0.007745351
762.519987	398.231734	8.98754E-06	0.006853175
762.559987	387.871413	8.75372E-06	0.006675235
762.599987	423.94558	9.56786E-06	0.007296451
762.639987	449.542469	1.01455E-05	0.0077374
762.679987	427.716884	9.65297E-06	0.00736213
762.719987	401.123133	9.05279E-06	0.006904744

762.759987	389.864328	8.79869E-06	0.006711292
762.799987	417.777359	9.42865E-06	0.007192176
762.839987	437.46542	9.87299E-06	0.007531508
762.879987	404.376764	9.12622E-06	0.006962211
762.919987	392.144168	8.85015E-06	0.006751955
762.959987	503.287038	1.13585E-05	0.008666071
762.999987	783.843536	1.76903E-05	0.013497666
763.039987	1150.519304	2.59656E-05	0.019812805
763.079987	1535.285975	3.46493E-05	0.026440161
763.119987	1832.980104	4.13678E-05	0.031568601
763.159987	2050.188441	4.62699E-05	0.035311334
763.199987	2041.437428	4.60724E-05	0.035162455
763.239987	1849.50961	4.17409E-05	0.03185829
763.279987	1588.178165	3.5843E-05	0.027358221
763.319987	1294.674389	2.9219E-05	0.022303445
763.359987	1015.63711	2.29215E-05	0.017497367
763.399987	766.769222	1.73049E-05	0.013210571
763.439987	593.174782	1.33871E-05	0.010220269
763.479987	460.718394	1.03978E-05	0.007938491
763.519987	400.095705	9.0296E-06	0.006894282
763.559987	387.96206	8.75576E-06	0.006685551
763.599987	385.040444	8.68983E-06	0.006635551
763.639987	417.900155	9.43142E-06	0.007202213
763.679987	458.155491	1.03399E-05	0.007896399
763.719987	445.901844	1.00634E-05	0.007685607
763.759987	441.568366	9.96558E-06	0.007611314
763.799987	420.351718	9.48675E-06	0.007245982
763.839987	356.790941	8.05227E-06	0.006150649
763.879987	326.829037	7.37608E-06	0.005634437
763.919987	353.775544	7.98422E-06	0.006099306
763.959987	391.659062	8.8392E-06	0.006752795
763.999987	486.327173	1.09757E-05	0.008385455
764.039987	694.74415	1.56794E-05	0.011979695
764.079987	934.475207	2.10898E-05	0.016114297
764.119987	1168.622845	2.63742E-05	0.020153046
764.159987	1357.982076	3.06478E-05	0.023419795
764.199987	1457.815126	3.29009E-05	0.025142834
764.239987	1462.433961	3.30051E-05	0.025223815
764.279987	1321.702788	2.9829E-05	0.022797701
764.319987	1106.305087	2.49678E-05	0.019083362
764.359987	879.401378	1.98469E-05	0.015170149
764.399987	676.649682	1.5271E-05	0.011673183
764.439987	476.371189	1.0751E-05	0.00821852
764.479987	358.739982	8.09626E-06	0.00618943
764.519987	349.112103	7.87897E-06	0.006023633
764.559987	392.810686	8.86519E-06	0.00677797

764.599987	430.57976	9.71759E-06	0.007430066
764.639987	451.476237	1.01892E-05	0.007791062
764.679987	457.133509	1.03169E-05	0.007889101
764.719987	459.223082	1.0364E-05	0.007925577
764.759987	439.381582	9.91623E-06	0.007583536
764.799987	448.118632	1.01134E-05	0.007734738
764.839987	441.264678	9.95873E-06	0.007616834
764.879987	449.665227	1.01483E-05	0.007762245
764.919987	513.562527	1.15904E-05	0.008865722
764.959987	667.544449	1.50655E-05	0.011524542
764.999987	1012.469893	2.285E-05	0.017480277
765.039987	1481.018258	3.34245E-05	0.025571094
765.079987	1976.53996	4.46078E-05	0.0341285
765.119987	2370.623757	5.35017E-05	0.040935202
765.159987	2506.282283	5.65633E-05	0.043279974
765.199987	2299.388095	5.1894E-05	0.039709278
765.239987	1939.717639	4.37767E-05	0.033499701
765.279987	1572.888091	3.54979E-05	0.027165827
765.319987	1234.364369	2.78579E-05	0.021320196
765.359987	919.944883	2.07619E-05	0.015890308
765.399987	673.093763	1.51908E-05	0.011627029
765.439987	528.800526	1.19343E-05	0.009134984
765.479987	438.704014	9.90094E-06	0.00757897
765.519987	395.916638	8.93529E-06	0.006840141
765.559987	403.619784	9.10914E-06	0.00697359
765.599987	419.083205	9.45812E-06	0.00724114
765.639987	413.190713	9.32514E-06	0.007139699
765.679987	411.998488	9.29823E-06	0.00711947
765.719987	412.358561	9.30636E-06	0.007126065
765.759987	385.575495	8.7019E-06	0.006663568
765.799987	322.901878	7.28745E-06	0.005580726
765.839987	298.332467	6.73295E-06	0.005156361
765.879987	297.650775	6.71756E-06	0.005144847
765.919987	328.370238	7.41086E-06	0.005676125
765.959987	383.199315	8.64827E-06	0.006624232
765.999987	498.425473	1.12488E-05	0.008616557
766.039987	712.615937	1.60827E-05	0.012320029
766.079987	1018.501246	2.29862E-05	0.017609233
766.119987	1313.929966	2.96536E-05	0.022718192
766.159987	1519.076975	3.42835E-05	0.026266609
766.199987	1538.826593	3.47292E-05	0.026609492
766.239987	1408.320924	3.17838E-05	0.02435405
766.279987	1227.448321	2.77018E-05	0.021227334
766.319987	1011.823163	2.28354E-05	0.017499254
766.359987	766.984555	1.73098E-05	0.013265517
766.399987	588.63982	1.32848E-05	0.010181456

766.439987	458.310888	1.03434E-05	0.007927625
766.479987	372.138626	8.39865E-06	0.006437397
766.519987	335.296035	7.56716E-06	0.005800383
766.559987	328.315325	7.40962E-06	0.005679918
766.599987	341.671842	7.71106E-06	0.005911297
766.639987	419.031667	9.45696E-06	0.007250085
766.679987	461.418747	1.04136E-05	0.007983882
766.719987	436.950725	9.86137E-06	0.007560909
766.759987	391.130792	8.82728E-06	0.006768403
766.799987	368.33174	8.31273E-06	0.006374205
766.839987	403.942914	9.11643E-06	0.006990842
766.879987	440.344282	9.93796E-06	0.00762122
766.919987	487.831894	1.10097E-05	0.008443549
766.959987	596.670087	1.3466E-05	0.010327893
766.999987	876.279135	1.97764E-05	0.015168498
767.039987	1256.201682	2.83507E-05	0.021746138
767.079987	1646.852687	3.71672E-05	0.028510193
767.119987	2042.879563	4.61049E-05	0.035368026
767.159987	2241.452272	5.05865E-05	0.038807905
767.199987	2233.797651	5.04137E-05	0.038677391
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767.279987	1702.124015	3.84146E-05	0.029474729
767.319987	1292.559493	2.91713E-05	0.022383696
767.359987	951.906286	2.14832E-05	0.016485347
767.399987	708.515745	1.59902E-05	0.01227089
767.439987	529.246082	1.19443E-05	0.009166569
767.479987	406.226204	9.16796E-06	0.007036226
767.519987	340.589572	7.68663E-06	0.005899644
767.559987	342.792628	7.73635E-06	0.005938114
767.599987	358.14286	8.08279E-06	0.006204346
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767.759987	453.000345	1.02236E-05	0.007849261
767.799987	417.834643	9.42995E-06	0.007240312
767.839987	371.046827	8.37401E-06	0.0064299
767.879987	345.765377	7.80344E-06	0.005992108
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767.959987	404.854432	9.137E-06	0.007016851
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768.359987	767.448811	1.73203E-05	0.013308188
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768.439987	498.158142	1.12427E-05	0.008639367
768.479987	404.432589	9.12748E-06	0.007014286
768.519987	347.93129	7.85232E-06	0.006034668
768.559987	356.786703	8.05218E-06	0.006188583
768.599987	391.9179	8.84504E-06	0.006798298
768.639987	442.988934	9.99764E-06	0.007684588
768.679987	467.857507	1.05589E-05	0.008116409
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768.759987	427.567483	9.6496E-06	0.007418228
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768.839987	335.662134	7.57543E-06	0.005824291
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768.959987	417.011516	9.41137E-06	0.007236966
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769.239987	1809.110887	4.08291E-05	0.031407386
769.279987	1707.409442	3.85339E-05	0.029643322
769.319987	1474.455426	3.32764E-05	0.025600204
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769.639987	363.515147	8.20403E-06	0.00631415
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769.759987	357.705839	8.07292E-06	0.006214213
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770.319987	1050.275254	2.37032E-05	0.018259087
770.359987	853.242754	1.92565E-05	0.014834437
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770.599987	317.687583	7.16977E-06	0.005525022
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770.799987	396.339974	8.94484E-06	0.006894683
770.839987	363.186309	8.19661E-06	0.006318274
770.879987	344.253387	7.76932E-06	0.005989213
770.919987	374.988003	8.46296E-06	0.006524263
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770.999987	659.250091	1.48784E-05	0.011471213
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771.079987	1423.873106	3.21348E-05	0.024778526
771.119987	1861.290228	4.20067E-05	0.032392227
771.159987	2206.799772	4.98044E-05	0.038407158
771.199987	2356.447729	5.31817E-05	0.041013759
771.239987	2324.124839	5.24523E-05	0.040453281
771.279987	2045.94451	4.61741E-05	0.035613173
771.319987	1603.060573	3.61788E-05	0.027905466
771.359987	1194.123567	2.69497E-05	0.020787925
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771.479987	474.423526	1.07071E-05	0.008260297
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771.559987	331.057066	7.4715E-06	0.005764708
771.599987	313.870429	7.08362E-06	0.00546572
771.639987	362.958128	8.19146E-06	0.006320858
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771.799987	347.431957	7.84106E-06	0.006051726
771.839987	309.676392	6.98896E-06	0.005394363
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772.239987	1836.901327	4.14563E-05	0.032014216
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772.319987	1564.069943	3.52989E-05	0.027262031
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772.759987	389.28681	8.78566E-06	0.006789207
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773.359987	1292.054981	2.91599E-05	0.022551085
773.399987	944.548979	2.13172E-05	0.016486687
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773.479987	503.733435	1.13686E-05	0.008793355
773.519987	394.56868	8.90487E-06	0.006888091
773.559987	337.104451	7.60798E-06	0.005885227
773.599987	319.801936	7.21748E-06	0.005583446
773.639987	356.685847	8.0499E-06	0.006227727
773.679987	393.549787	8.88187E-06	0.006871725
773.719987	399.361899	9.01304E-06	0.006973571
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773.959987	326.210875	7.36213E-06	0.00569799
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774.079987	832.655769	1.87919E-05	0.014546419
774.119987	1073.176579	2.42201E-05	0.018749264
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774.199987	1291.377703	2.91446E-05	0.022563746
774.239987	1341.282293	3.02709E-05	0.02343692
774.279987	1282.553088	2.89454E-05	0.022411872
774.319987	1085.832635	2.45057E-05	0.018975277
774.359987	890.40098	2.00951E-05	0.015560849
774.399987	715.151959	1.614E-05	0.012498803
774.439987	555.054925	1.25268E-05	0.009701268
774.479987	420.774536	9.4963E-06	0.007354691
774.519987	357.819569	8.07549E-06	0.006254628
774.559987	364.757735	8.23207E-06	0.006376235
774.599987	395.488816	8.92563E-06	0.006913794
774.639987	428.981209	9.68151E-06	0.007499684
774.679987	451.356339	1.01865E-05	0.007891265
774.719987	464.461596	1.04823E-05	0.00812081
774.759987	438.692105	9.90067E-06	0.007670643
774.799987	410.349364	9.26101E-06	0.007175433
774.839987	403.672191	9.11032E-06	0.00705904
774.879987	400.409632	9.03669E-06	0.007002348
774.919987	410.465357	9.26363E-06	0.007178573
774.959987	451.445841	1.01885E-05	0.007895683
774.999987	618.043934	1.39484E-05	0.010810003
775.039987	874.329096	1.97324E-05	0.015293391
775.079987	1225.883941	2.76665E-05	0.021443745
775.119987	1623.021652	3.66293E-05	0.028392132
775.159987	1968.15145	4.44184E-05	0.034431395
775.199987	2210.518186	4.98883E-05	0.038673422
775.239987	2194.448874	4.95257E-05	0.038394268
775.279987	1967.509005	4.44039E-05	0.034425484
775.319987	1655.355867	3.73591E-05	0.028965238
775.359987	1279.920662	2.8886E-05	0.022397069
775.399987	926.673235	2.09137E-05	0.016216501
775.439987	647.389801	1.46107E-05	0.01132971
775.479987	466.913548	1.05376E-05	0.008171689
775.519987	362.982736	8.19201E-06	0.006353071
775.559987	331.019539	7.47065E-06	0.005793937
775.599987	333.074279	7.51702E-06	0.005830203

775.639987	363.438327	8.2023E-06	0.006362029
775.679987	414.326334	9.35077E-06	0.007253204
775.719987	407.793552	9.20333E-06	0.007139209
775.759987	347.219291	7.83626E-06	0.006079054
775.799987	304.526102	6.87273E-06	0.005331864
775.839987	286.039954	6.45552E-06	0.005008453
775.879987	274.429771	6.1935E-06	0.004805411
775.919987	279.989876	6.31898E-06	0.004903024
775.959987	336.549779	7.59546E-06	0.005893773
775.999987	435.665731	9.83237E-06	0.007629918
776.039987	585.805005	1.32208E-05	0.010259872
776.079987	835.410774	1.88541E-05	0.014632257
776.119987	1147.005086	2.58863E-05	0.02009088
776.159987	1422.432415	3.21023E-05	0.024916535
776.199987	1574.444207	3.5533E-05	0.027580724
776.239987	1512.117579	3.41264E-05	0.026490267
776.279987	1328.713562	2.99872E-05	0.023278474
776.319987	1148.514866	2.59204E-05	0.02012251
776.359987	950.524668	2.1452E-05	0.016654488
776.399987	720.2509	1.62551E-05	0.012620428
776.439987	510.083294	1.15119E-05	0.008938276
776.479987	392.794875	8.86483E-06	0.006883366
776.519987	370.704016	8.36627E-06	0.006496578
776.559987	363.50743	8.20386E-06	0.006370787
776.599987	368.421347	8.31476E-06	0.00645724
776.639987	383.484988	8.65472E-06	0.006721603
776.679987	404.216778	9.12261E-06	0.007085348
776.719987	419.717358	9.47244E-06	0.00735743
776.759987	429.449568	9.69208E-06	0.007528419
776.799987	407.518818	9.19713E-06	0.007144332
776.839987	364.103551	8.21731E-06	0.006383535
776.879987	382.933145	8.64227E-06	0.006714005
776.919987	408.180363	9.21206E-06	0.007157035
776.959987	467.641238	1.0554E-05	0.008200045
776.999987	624.322901	1.40901E-05	0.010948006
777.039987	870.516406	1.96463E-05	0.015265994
777.079987	1192.981241	2.69239E-05	0.020922043
777.119987	1601.629122	3.61465E-05	0.028090197
777.159987	1909.854793	4.31028E-05	0.033497742
777.199987	2020.254828	4.55943E-05	0.035435919
777.239987	1994.143292	4.5005E-05	0.034979714
777.279987	1860.853388	4.19969E-05	0.032643326
777.319987	1618.359844	3.65241E-05	0.028390934
777.359987	1252.078594	2.82577E-05	0.021966382
777.399987	907.626912	2.04839E-05	0.015924164
777.439987	637.493571	1.43873E-05	0.011185295

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777.519987	350.547453	7.91137E-06	0.006151247
777.559987	331.455548	7.48049E-06	0.00581653
777.599987	342.479046	7.72928E-06	0.006010284
777.639987	358.329856	8.08701E-06	0.006288779
777.679987	384.012435	8.66663E-06	0.006739861
777.719987	387.981528	8.7562E-06	0.006809874
777.759987	353.718908	7.98294E-06	0.006208814
777.799987	334.967251	7.55974E-06	0.005879969
777.839987	316.523719	7.1435E-06	0.0055565
777.879987	310.250718	7.00193E-06	0.005446659
777.919987	342.133483	7.72148E-06	0.006006691
777.959987	382.521058	8.63297E-06	0.006716103
777.999987	465.688247	1.05099E-05	0.008176729
778.039987	607.934713	1.37202E-05	0.010674895
778.079987	811.563828	1.83159E-05	0.014251208
778.119987	1084.173765	2.44683E-05	0.019039267
778.159987	1337.880088	3.01941E-05	0.023495833
778.199987	1448.522314	3.26911E-05	0.025440238
778.239987	1458.824785	3.29236E-05	0.025622496
778.279987	1420.486786	3.20584E-05	0.024950418
778.319987	1232.529643	2.78165E-05	0.02165012
778.359987	980.129644	2.21202E-05	0.017217448
778.399987	715.003623	1.61366E-05	0.012560757
778.439987	504.180025	1.13786E-05	0.008857589
778.479987	398.629386	8.99651E-06	0.007003603
778.519987	355.427209	8.0215E-06	0.006244896
778.559987	343.730527	7.75752E-06	0.006039694
778.599987	359.405276	8.11128E-06	0.00631544
778.639987	390.090282	8.80379E-06	0.006854986
778.679987	426.279218	9.62053E-06	0.007491313
778.719987	443.084301	9.9998E-06	0.007787041
778.759987	418.684949	9.44914E-06	0.007358609
778.799987	371.418151	8.38239E-06	0.006528205
778.839987	341.08286	7.69777E-06	0.005995327
778.879987	350.759183	7.91615E-06	0.006165728
778.919987	369.01999	8.32827E-06	0.006487054
778.959987	451.317034	1.01856E-05	0.007934172
778.999987	625.816149	1.41238E-05	0.011002439
779.039987	848.96368	1.91599E-05	0.01492635
779.079987	1153.940802	2.60428E-05	0.020289453
779.119987	1443.25173	3.25722E-05	0.025377637
779.159987	1639.858011	3.70093E-05	0.028836174
779.199987	1752.814938	3.95586E-05	0.030824054
779.239987	1721.893746	3.88607E-05	0.030281845
779.279987	1513.359178	3.41544E-05	0.026615847

779.319987	1203.53302	2.71621E-05	0.021167939
779.359987	895.837492	2.02178E-05	0.015756948
779.399987	657.771575	1.4845E-05	0.011570184
779.439987	480.441624	1.08429E-05	0.008451388
779.479987	375.076755	8.46496E-06	0.006598267
779.519987	319.374026	7.20783E-06	0.005618645
779.559987	307.979494	6.95067E-06	0.005418463
779.599987	349.644158	7.89098E-06	0.006151809
779.639987	384.152043	8.66978E-06	0.006759304
779.679987	368.795221	8.32319E-06	0.006489428
779.719987	362.085737	8.17177E-06	0.006371693
779.759987	374.549985	8.45307E-06	0.006591367
779.799987	361.830218	8.166E-06	0.00636785
779.839987	339.740946	7.66748E-06	0.005979407
779.879987	327.568825	7.39277E-06	0.005765475
779.919987	323.753203	7.30666E-06	0.005698609
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779.999987	447.051693	1.00893E-05	0.00786968
780.039987	597.642968	1.3488E-05	0.010521155
780.079987	812.943756	1.8347E-05	0.014312134
780.119987	1033.406277	2.33225E-05	0.01819438
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780.199987	1274.433649	2.87622E-05	0.022440262
780.239987	1209.257162	2.72912E-05	0.021293724
780.279987	1094.271985	2.46962E-05	0.019269946
780.319987	955.827664	2.15717E-05	0.016832828
780.359987	760.708506	1.71681E-05	0.013397323
780.399987	563.715631	1.27223E-05	0.009928464
780.439987	412.014411	9.29859E-06	0.007256993
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780.519987	323.331588	7.29714E-06	0.005695566
780.559987	349.735797	7.89305E-06	0.006160999
780.599987	372.870518	8.41517E-06	0.00656888
780.639987	390.069571	8.80333E-06	0.006872229
780.679987	430.260308	9.71038E-06	0.007580696
780.719987	430.240737	9.70993E-06	0.00758074
780.759987	395.599461	8.92813E-06	0.006970726
780.799987	365.580341	8.25064E-06	0.006442099
780.839987	349.673851	7.89165E-06	0.006162117
780.879987	361.351331	8.1552E-06	0.00636823
780.919987	398.682527	8.99771E-06	0.007026491
780.959987	496.850013	1.12132E-05	0.00875707
780.999987	655.482966	1.47933E-05	0.011553596
781.039987	882.463792	1.9916E-05	0.015555176
781.079987	1183.153242	2.67021E-05	0.020856492
781.119987	1463.390995	3.30267E-05	0.025797813

781.159987	1649.002822	3.72157E-05	0.029071413
781.199987	1725.233801	3.89361E-05	0.030416899
781.239987	1694.396686	3.82402E-05	0.029874752
781.279987	1531.029695	3.45532E-05	0.02699573
781.319987	1239.686816	2.7978E-05	0.021859774
781.359987	953.854107	2.15272E-05	0.01682046
781.399987	700.048621	1.57991E-05	0.012345434
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782.079987	836.552346	1.88798E-05	0.01476553
782.119987	1051.345882	2.37274E-05	0.018557683
782.159987	1180.79317	2.66489E-05	0.02084367
782.199987	1221.028136	2.75569E-05	0.02155501
782.239987	1209.543833	2.72977E-05	0.021353368
782.279987	1122.103295	2.53243E-05	0.0198107
782.319987	946.577127	2.13629E-05	0.016712645
782.359987	776.93138	1.75343E-05	0.013718103
782.399987	612.06603	1.38135E-05	0.010807665
782.439987	447.252679	1.00939E-05	0.007897848
782.479987	358.699488	8.09535E-06	0.006334448
782.519987	336.014934	7.58339E-06	0.005934153
782.559987	333.091991	7.51742E-06	0.005882834
782.599987	353.805999	7.98491E-06	0.006248989
782.639987	400.14257	9.03066E-06	0.007067756
782.679987	440.346145	9.938E-06	0.007778273
782.719987	426.526073	9.6261E-06	0.00753454
782.759987	370.704003	8.36627E-06	0.006548784
782.799987	358.459885	8.08994E-06	0.006332805
782.839987	382.431393	8.63094E-06	0.006756648
782.879987	387.130135	8.73699E-06	0.006840013
782.919987	428.115325	9.66197E-06	0.007564547
782.959987	519.150733	1.17165E-05	0.009173558

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783.039987	789.401215	1.78157E-05	0.013950394
783.079987	1097.112387	2.47603E-05	0.019389294
783.119987	1425.463416	3.21707E-05	0.025193537
783.159987	1666.373679	3.76077E-05	0.029452872
783.199987	1780.062493	4.01735E-05	0.031463909
783.239987	1780.112929	4.01747E-05	0.031466407
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783.439987	518.195563	1.1695E-05	0.009162293
783.479987	387.083846	8.73594E-06	0.006844437
783.519987	314.750534	7.10348E-06	0.005565719
783.559987	303.531816	6.85029E-06	0.005367613
783.599987	318.658578	7.19168E-06	0.005635401
783.639987	353.539777	7.9789E-06	0.006252585
783.679987	368.868533	8.32485E-06	0.006524018
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783.799987	341.306455	7.70281E-06	0.006037463
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784.079987	771.091308	1.74025E-05	0.013644918
784.119987	960.867052	2.16854E-05	0.01700398
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784.199987	1205.79854	2.72132E-05	0.021340586
784.239987	1195.4759	2.69802E-05	0.021158972
784.279987	1130.955331	2.55241E-05	0.02001803
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784.399987	737.685276	1.66485E-05	0.013059106
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784.479987	456.505748	1.03027E-05	0.008082261
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784.639987	431.379719	9.73564E-06	0.007638972
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784.719987	437.951822	9.88396E-06	0.007756143
784.759987	395.54134	8.92682E-06	0.007005409
784.799987	348.66844	7.86896E-06	0.006175561

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784.879987	329.37599	7.43356E-06	0.00583445
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785.119987	1329.64981	3.00083E-05	0.023560151
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785.199987	1685.219722	3.80331E-05	0.02986356
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785.279987	1619.326237	3.65459E-05	0.028698793
785.319987	1363.171769	3.07649E-05	0.024160282
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785.399987	734.292027	1.65719E-05	0.013015608
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785.639987	304.066501	6.86236E-06	0.005391342
785.679987	333.504656	7.52674E-06	0.005913605
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785.759987	362.782048	8.18749E-06	0.006433399
785.799987	339.95377	7.67228E-06	0.00602888
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785.879987	288.367514	6.50805E-06	0.005114549
785.919987	285.275093	6.43826E-06	0.005059958
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786.119987	852.891591	1.92486E-05	0.01513169
786.159987	1012.615509	2.28533E-05	0.017966367
786.199987	1126.817097	2.54307E-05	0.01999361
786.239987	1185.124652	2.67466E-05	0.021029256
786.279987	1143.258319	2.58017E-05	0.020287398
786.319987	994.342937	2.24409E-05	0.017645756
786.359987	797.147355	1.79905E-05	0.014147014
786.399987	628.726801	1.41895E-05	0.011158613
786.439987	470.512715	1.06188E-05	0.008351062
786.479987	366.398488	8.2691E-06	0.006503484
786.519987	328.578412	7.41556E-06	0.005832484
786.559987	358.743778	8.09635E-06	0.006368263
786.599987	392.390162	8.8557E-06	0.006965893
786.639987	431.421435	9.73658E-06	0.007659184

786.679987	502.238937	1.13348E-05	0.008916886
786.719987	497.226194	1.12217E-05	0.008828338
786.759987	449.004386	1.01334E-05	0.007972556
786.799987	398.878082	9.00212E-06	0.00708287
786.839987	373.212587	8.42289E-06	0.006627465
786.879987	409.684254	9.246E-06	0.007275495
786.919987	461.202111	1.04087E-05	0.008190806
786.959987	519.906215	1.17336E-05	0.009233842
786.999987	664.24149	1.4991E-05	0.011797921
787.039987	909.25793	2.05207E-05	0.0161506
787.079987	1232.263346	2.78105E-05	0.021889062
787.119987	1494.381615	3.37261E-05	0.026546496
787.159987	1717.530396	3.87623E-05	0.030512107
787.199987	1869.975882	4.22028E-05	0.033222005
787.239987	1892.026897	4.27004E-05	0.033615472
787.279987	1691.986322	3.81858E-05	0.030062896
787.319987	1363.73311	3.07776E-05	0.024231786
787.359987	1041.055781	2.34952E-05	0.018499164
787.399987	777.196752	1.75402E-05	0.013811191
787.439987	580.073036	1.30914E-05	0.010308724
787.479987	425.41139	9.60094E-06	0.00756055
787.519987	348.788853	7.87168E-06	0.006199104
787.559987	312.67023	7.05653E-06	0.005557442
787.599987	314.748473	7.10343E-06	0.005594665
787.639987	346.353414	7.81671E-06	0.006156757
787.679987	381.774175	8.61611E-06	0.006786738
787.719987	389.630739	8.79342E-06	0.006926755
787.759987	356.881688	8.05432E-06	0.006344873
787.799987	324.226094	7.31733E-06	0.005764594
787.839987	281.097328	6.34398E-06	0.004998037
787.879987	256.271194	5.78368E-06	0.004556849
787.919987	275.898417	6.22664E-06	0.004906096
787.959987	332.483716	7.50369E-06	0.005912611
787.999987	415.504949	9.37737E-06	0.007389366
788.039987	574.908296	1.29749E-05	0.010224724
788.079987	830.585478	1.87452E-05	0.014772683
788.119987	1067.591511	2.40941E-05	0.018989005
788.159987	1231.324966	2.77893E-05	0.021902406
788.199987	1288.557722	2.9081E-05	0.022921607
788.239987	1277.002703	2.88202E-05	0.022717212
788.279987	1175.571233	2.6531E-05	0.020913861
788.319987	1011.191518	2.28212E-05	0.017990396
788.359987	830.165734	1.87357E-05	0.014770464
788.399987	634.36819	1.43168E-05	0.01128737
788.439987	482.748111	1.0895E-05	0.008590016
788.479987	384.363483	8.67455E-06	0.006839708

788.519987	349.564223	7.88918E-06	0.006220774
788.559987	369.070475	8.32941E-06	0.006568237
788.599987	373.344061	8.42586E-06	0.006644629
788.639987	373.620433	8.43209E-06	0.006649886
788.679987	419.874998	9.47599E-06	0.007473527
788.719987	454.684319	1.02616E-05	0.008093523
788.759987	427.961447	9.65849E-06	0.007618233
788.799987	424.291434	9.57567E-06	0.007553286
788.839987	418.558756	9.44629E-06	0.00745161
788.879987	413.07717	9.32258E-06	0.007354394
788.919987	444.498844	1.00317E-05	0.007914224
788.959987	531.092323	1.1986E-05	0.009456485
788.999987	684.752504	1.54539E-05	0.012193135
789.039987	924.955449	2.0875E-05	0.016471175
789.079987	1238.111917	2.79425E-05	0.022048837
789.119987	1531.844503	3.45716E-05	0.027281138
789.159987	1736.612956	3.91929E-05	0.030929496
789.199987	1801.606494	4.06597E-05	0.032088673
789.239987	1749.820055	3.9491E-05	0.031167877
789.279987	1591.56486	3.59194E-05	0.028350465
789.319987	1355.793223	3.05984E-05	0.024151901
789.359987	1105.310897	2.49453E-05	0.019690843
789.399987	871.945489	1.96786E-05	0.015534283
789.439987	637.751866	1.43932E-05	0.011362545
789.479987	455.428395	1.02784E-05	0.008114579
789.519987	356.233141	8.03969E-06	0.006347493
789.559987	335.418837	7.56994E-06	0.005976919
789.599987	365.314436	8.24464E-06	0.006509966
789.639987	402.213364	9.0774E-06	0.007167874
789.679987	407.679106	9.20075E-06	0.007265648
789.719987	403.628298	9.10933E-06	0.007193819
789.759987	394.976577	8.91407E-06	0.007039977
789.799987	379.114278	8.55608E-06	0.006757593
789.839987	357.600965	8.07056E-06	0.006374448
789.879987	317.517407	7.16593E-06	0.005660221
789.919987	313.335188	7.07154E-06	0.00558595
789.959987	341.762982	7.71311E-06	0.006093052
789.999987	419.256666	9.46204E-06	0.007475011
790.039987	577.198887	1.30266E-05	0.010291515
790.079987	784.558205	1.77064E-05	0.013989461
790.119987	984.228949	2.22127E-05	0.01755068
790.159987	1142.993086	2.57958E-05	0.020382779
790.199987	1219.399537	2.75201E-05	0.021746421
790.239987	1238.12992	2.79429E-05	0.022081571
790.279987	1183.515656	2.67103E-05	0.021108615
790.319987	1015.93402	2.29282E-05	0.018120627

790.359987	817.457982	1.84489E-05	0.014581263
790.399987	648.738139	1.46411E-05	0.011572338
790.439987	543.646829	1.22694E-05	0.009698186
790.479987	474.141544	1.07007E-05	0.0084587
790.519987	414.040422	9.34432E-06	0.007386868
790.559987	373.821053	8.43662E-06	0.006669655
790.599987	372.687992	8.41105E-06	0.006649775
790.639987	397.014807	8.96007E-06	0.007084191
790.679987	438.627806	9.89922E-06	0.007827114
790.719987	443.830475	1.00166E-05	0.007920354
790.759987	412.601025	9.31183E-06	0.007363423
790.799987	368.444077	8.31527E-06	0.006575715
790.839987	344.374468	7.77205E-06	0.00614645
790.879987	343.02474	7.74159E-06	0.006122669
790.919987	384.879937	8.6862E-06	0.006870092
790.959987	458.91849	1.03572E-05	0.008192092
790.999987	635.813167	1.43494E-05	0.011350389
791.039987	927.730142	2.09376E-05	0.016562461
791.079987	1251.982595	2.82555E-05	0.022352363
791.119987	1522.434641	3.43592E-05	0.027182273
791.159987	1740.319606	3.92766E-05	0.031074066
791.199987	1773.527548	4.0026E-05	0.031668607
791.239987	1672.52661	3.77466E-05	0.029866616
791.279987	1457.763757	3.28997E-05	0.026032872
791.319987	1215.132763	2.74239E-05	0.021701044
791.359987	970.019896	2.1892E-05	0.017324451
791.399987	694.268302	1.56687E-05	0.012400184
791.439987	483.506641	1.09121E-05	0.00863625
791.479987	375.690937	8.47882E-06	0.006710817
791.519987	344.606188	7.77728E-06	0.006155874
791.559987	347.252647	7.83701E-06	0.006203462
791.599987	355.542478	8.0241E-06	0.006351876
791.639987	375.257145	8.46903E-06	0.006704424
791.679987	404.659821	9.13261E-06	0.007230103
791.719987	422.919396	9.5447E-06	0.007556731
791.759987	410.033468	9.25388E-06	0.007326855
791.799987	375.245361	8.46877E-06	0.006705568
791.839987	346.923706	7.82958E-06	0.006199778
791.879987	321.761375	7.26171E-06	0.0057504
791.919987	329.755163	7.44211E-06	0.005893559
791.959987	377.240348	8.51379E-06	0.00674258
791.999987	449.579927	1.01464E-05	0.008035943
792.039987	571.209064	1.28914E-05	0.010210499
792.079987	738.510354	1.66672E-05	0.013201716
792.119987	945.411663	2.13366E-05	0.016901167
792.159987	1166.044825	2.6316E-05	0.020846488

792.199987	1325.56046	2.99161E-05	0.023699497
792.239987	1310.809008	2.95831E-05	0.023436941
792.279987	1159.553839	2.61695E-05	0.020733583
792.319987	986.124687	2.22555E-05	0.017633446
792.359987	809.220154	1.8263E-05	0.014470848
792.399987	637.698114	1.4392E-05	0.011404187
792.439987	496.966729	1.12158E-05	0.008887886
792.479987	404.908619	9.13822E-06	0.007241859
792.519987	346.002772	7.8088E-06	0.006188631
792.559987	341.739227	7.71258E-06	0.006112681
792.599987	374.277776	8.44693E-06	0.006695035
792.639987	408.953	9.2295E-06	0.00731567
792.679987	421.648534	9.51602E-06	0.007543159
792.719987	416.677909	9.40384E-06	0.007454612
792.759987	385.333685	8.69644E-06	0.006894193
792.799987	378.560872	8.54359E-06	0.006773359
792.839987	384.065203	8.66782E-06	0.006872192
792.879987	388.952763	8.77812E-06	0.006959997
792.919987	377.622275	8.52241E-06	0.006757588
792.959987	408.22648	9.2131E-06	0.007305622
792.999987	529.370971	1.19472E-05	0.009474102
793.039987	714.429272	1.61237E-05	0.012786718
793.079987	1022.215815	2.307E-05	0.018296345
793.119987	1360.152859	3.06968E-05	0.02434621
793.159987	1540.685854	3.47711E-05	0.027579072
793.199987	1532.207262	3.45798E-05	0.027428684
793.239987	1470.585652	3.31891E-05	0.026326897
793.279987	1363.840412	3.078E-05	0.024417141
793.319987	1185.931941	2.67648E-05	0.021233076
793.359987	958.283234	2.16271E-05	0.01715809
793.399987	744.950573	1.68125E-05	0.013339035
793.439987	548.195561	1.2372E-05	0.009816448
793.479987	412.058455	9.29959E-06	0.007379035
793.519987	361.855405	8.16657E-06	0.006480338
793.559987	337.110699	7.60812E-06	0.006037499
793.599987	318.098888	7.17905E-06	0.005697293
793.639987	349.491458	7.88754E-06	0.006259863
793.679987	370.629328	8.36459E-06	0.006638806
793.719987	363.261096	8.1983E-06	0.006507152
793.759987	340.436186	7.68317E-06	0.006098593
793.799987	317.149101	7.15761E-06	0.005681713
793.839987	298.034419	6.72622E-06	0.005339544
793.879987	289.071	6.52393E-06	0.005179217
793.919987	294.074239	6.63685E-06	0.005269125
793.959987	344.335102	7.77116E-06	0.006169993
793.999987	434.509216	9.80627E-06	0.007786176

794.039987	560.703701	1.26543E-05	0.010048021
794.079987	729.476811	1.64633E-05	0.013073158
794.119987	938.020261	2.11698E-05	0.01681137
794.159987	1107.77719	2.5001E-05	0.019854784
794.199987	1210.698122	2.73238E-05	0.021700538
794.239987	1183.527426	2.67106E-05	0.021214599
794.279987	1079.824781	2.43701E-05	0.019356715
794.319987	930.321548	2.09961E-05	0.016677591
794.359987	763.255093	1.72256E-05	0.013683331
794.399987	592.45375	1.33709E-05	0.010621808
794.439987	467.811389	1.05579E-05	0.008387579
794.479987	383.540691	8.65598E-06	0.006877002
794.519987	325.594401	7.34821E-06	0.005838301
794.559987	330.139612	7.45079E-06	0.005920101
794.599987	375.601635	8.47681E-06	0.00673567
794.639987	412.188495	9.30252E-06	0.007392155
794.679987	428.184465	9.66353E-06	0.007679411
794.719987	423.820224	9.56503E-06	0.007601522
794.759987	404.971762	9.13965E-06	0.007263827
794.799987	378.589709	8.54424E-06	0.006790964
794.839987	359.247944	8.10773E-06	0.006444345
794.879987	371.913702	8.39357E-06	0.006671884
794.919987	392.327859	8.85429E-06	0.007038455
794.959987	406.684146	9.17829E-06	0.007296377
794.999987	490.982252	1.10808E-05	0.008809224
795.039987	676.221252	1.52614E-05	0.012133401
795.079987	935.625031	2.11158E-05	0.016788713
795.119987	1209.286978	2.72919E-05	0.021700353
795.159987	1424.899237	3.2158E-05	0.025570748
795.199987	1511.595985	3.41146E-05	0.027127942
795.239987	1496.1946	3.3767E-05	0.026852891
795.279987	1380.795406	3.11626E-05	0.024783015
795.319987	1162.184439	2.62289E-05	0.020860356
795.359987	915.969174	2.06721E-05	0.0164418
795.399987	662.921506	1.49612E-05	0.01190015
795.439987	479.99376	1.08328E-05	0.008616835
795.479987	386.218667	8.71642E-06	0.006933736
795.519987	328.129045	7.40542E-06	0.005891156
795.559987	306.531607	6.91799E-06	0.005503677
795.599987	336.506008	7.59447E-06	0.006042162
795.639987	373.226285	8.4232E-06	0.006701833
795.679987	397.425492	8.96934E-06	0.007136724
795.719987	401.007233	9.05017E-06	0.007201405
795.759987	379.686896	8.569E-06	0.006818871
795.799987	349.551352	7.88889E-06	0.006277976
795.839987	321.488512	7.25555E-06	0.005774255

795.879987	287.738884	6.49387E-06	0.005168338
795.919987	281.903857	6.36218E-06	0.005063784
795.959987	323.294871	7.29631E-06	0.005807575
795.999987	401.740986	9.06673E-06	0.007217121
796.039987	523.749646	1.18203E-05	0.009409431
796.079987	675.936737	1.5255E-05	0.012144161
796.119987	860.106964	1.94114E-05	0.015453816
796.159987	1023.401654	2.30967E-05	0.018388708
796.199987	1130.596275	2.5516E-05	0.020315825
796.239987	1137.959584	2.56822E-05	0.020449165
796.279987	1036.791713	2.33989E-05	0.018632111
796.319987	862.456602	1.94644E-05	0.015499926
796.359987	675.306085	1.52407E-05	0.012137098
796.399987	541.887787	1.22297E-05	0.009739695
796.439987	437.94256	9.88375E-06	0.007871817
796.479987	368.620778	8.31926E-06	0.006626122
796.519987	308.900341	6.97145E-06	0.0055529
796.559987	300.379642	6.77915E-06	0.0054
796.599987	329.34749	7.43291E-06	0.005921059
796.639987	374.402714	8.44975E-06	0.006731407
796.679987	429.508248	9.6934E-06	0.00772254
796.719987	409.425376	9.24016E-06	0.007361821
796.759987	357.860464	8.07641E-06	0.006434962
796.799987	354.893746	8.00946E-06	0.006381936
796.839987	375.36361	8.47143E-06	0.006750377
796.879987	382.37735	8.62972E-06	0.006876854
796.919987	371.943881	8.39426E-06	0.00668955
796.959987	390.379597	8.81032E-06	0.007021476
796.999987	499.661798	1.12767E-05	0.008987506
797.039987	699.85421	1.57947E-05	0.012589035
797.079987	959.458093	2.16536E-05	0.017259677
797.119987	1225.358943	2.76546E-05	0.02204407
797.159987	1416.791986	3.1975E-05	0.025489208
797.199987	1507.802648	3.4029E-05	0.027127923
797.239987	1489.13657	3.36077E-05	0.026793433
797.279987	1330.124891	3.00191E-05	0.023933601
797.319987	1118.9856	2.52539E-05	0.020135476
797.359987	919.179284	2.07446E-05	0.016540911
797.399987	727.835307	1.64262E-05	0.013098275
797.439987	539.804549	1.21826E-05	0.009714922
797.479987	394.379605	8.9006E-06	0.007098049
797.519987	334.088002	7.5399E-06	0.006013222
797.559987	300.47311	6.78126E-06	0.005408461
797.599987	308.025612	6.95171E-06	0.005544683
797.639987	357.778066	8.07455E-06	0.006440586
797.679987	394.478373	8.90283E-06	0.007101607

797.719987	438.254793	9.8908E-06	0.007890089
797.759987	445.625818	1.00572E-05	0.008023195
797.799987	390.751722	8.81872E-06	0.007035576
797.839987	323.061706	7.29105E-06	0.005817093
797.879987	301.451899	6.80335E-06	0.005428256
797.919987	324.818812	7.33071E-06	0.005849319
797.959987	360.463174	8.13515E-06	0.006491526
797.999987	427.871311	9.65646E-06	0.007705855
798.039987	557.194774	1.25751E-05	0.010035441
798.079987	703.081172	1.58676E-05	0.012663584
798.119987	838.445498	1.89225E-05	0.015102463
798.159987	998.72213	2.25398E-05	0.01799034
798.199987	1112.575897	2.51093E-05	0.020042234
798.239987	1137.697155	2.56762E-05	0.020495802
798.279987	1043.20783	2.35437E-05	0.018794503
798.319987	864.966211	1.95211E-05	0.01558407
798.359987	675.811855	1.52521E-05	0.012176692
798.399987	522.972819	1.18028E-05	0.00942333
798.439987	443.985891	1.00201E-05	0.008000483
798.479987	378.863891	8.55043E-06	0.006827347
798.519987	332.182912	7.49691E-06	0.005986429
798.559987	338.516694	7.63985E-06	0.006100879
798.599987	374.691965	8.45628E-06	0.006753182
798.639987	381.317775	8.60581E-06	0.006872945
798.679987	382.800867	8.63928E-06	0.006900022
798.719987	371.796259	8.39092E-06	0.006701998
798.759987	352.893739	7.96432E-06	0.00636158
798.799987	353.672787	7.9819E-06	0.006375943
798.839987	365.279303	8.24385E-06	0.006585513
798.879987	361.576548	8.16028E-06	0.006519084
798.919987	346.155832	7.81225E-06	0.006241367
798.959987	385.821453	8.70745E-06	0.006956906
798.999987	532.288013	1.2013E-05	0.009598386
799.039987	737.776952	1.66506E-05	0.013304494
799.079987	992.810022	2.24063E-05	0.017904457
799.119987	1265.877158	2.85691E-05	0.022830126
799.159987	1506.846431	3.40074E-05	0.027177373
799.199987	1698.807131	3.83397E-05	0.030641096
799.239987	1792.098847	4.04452E-05	0.032325401
799.279987	1678.832361	3.78889E-05	0.030283846
799.319987	1404.554291	3.16988E-05	0.025337512
799.359987	1082.486932	2.44302E-05	0.019528542
799.399987	772.772541	1.74404E-05	0.013941855
799.439987	555.850613	1.25448E-05	0.010028794
799.479987	408.536253	9.22009E-06	0.007371281
799.519987	313.800598	7.08204E-06	0.005662234

799.559987	268.227817	6.05353E-06	0.004840159
799.599987	292.748099	6.60692E-06	0.005282891
799.639987	367.410675	8.29195E-06	0.006630573
799.679987	394.502522	8.90337E-06	0.007119849
799.719987	421.879784	9.52124E-06	0.007614325
799.759987	422.544552	9.53624E-06	0.007626705
799.799987	390.648849	8.8164E-06	0.007051357
799.839987	365.761183	8.25472E-06	0.006602455
799.879987	327.670854	7.39507E-06	0.005915172
799.919987	298.556934	6.73801E-06	0.005389872
799.959987	313.198081	7.06844E-06	0.005654473
799.999987	375.528039	8.47514E-06	0.006780116
800.039987	493.379324	1.11349E-05	0.008908353
800.079987	651.27734	1.46984E-05	0.011759914
800.119987	878.380722	1.98238E-05	0.015861442
800.159987	1079.763356	2.43688E-05	0.019498903
800.199987	1167.110553	2.63401E-05	0.021077315
800.239987	1178.500615	2.65971E-05	0.021284077
800.279987	1123.923906	2.53654E-05	0.02029942
800.319987	959.062904	2.16447E-05	0.017322697
800.359987	758.105373	1.71094E-05	0.013693665
800.399987	567.472475	1.28071E-05	0.010250773
800.439987	422.201361	9.5285E-06	0.00762699
800.479987	351.206639	7.92624E-06	0.0063448
800.519987	339.657627	7.6656E-06	0.006136466
800.559987	348.108281	7.85632E-06	0.006289455
800.599987	377.757476	8.52546E-06	0.006825483
800.639987	426.597979	9.62772E-06	0.007708339
800.679987	428.631228	9.67361E-06	0.007745466
800.719987	427.884392	9.65675E-06	0.007732357
800.759987	450.844771	1.01749E-05	0.008147684
800.799987	442.951132	9.99679E-06	0.008005429
800.839987	417.13129	9.41407E-06	0.007539165
800.879987	399.400841	9.01392E-06	0.007219069
800.919987	405.261867	9.1462E-06	0.007325371
800.959987	493.921297	1.11471E-05	0.008928394
800.999987	662.404166	1.49495E-05	0.011974581
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801.079987	1132.091198	2.55497E-05	0.020467371
801.119987	1452.390102	3.27784E-05	0.026259449
801.159987	1773.544505	4.00264E-05	0.032067573
801.199987	1974.644326	4.4565E-05	0.035705455
801.239987	2004.828826	4.52462E-05	0.03625306
801.279987	1812.837338	4.09132E-05	0.032782939
801.319987	1421.958412	3.20916E-05	0.025715657
801.359987	1026.907567	2.31759E-05	0.018572218

801.399987	721.701701	1.62878E-05	0.013053044
801.439987	552.464871	1.24684E-05	0.009992644
801.479987	443.074404	9.99957E-06	0.008014457
801.519987	341.511843	7.70745E-06	0.006177673
801.559987	310.22127	7.00126E-06	0.005611931
801.599987	340.984032	7.69553E-06	0.00616874
801.639987	398.042385	8.98326E-06	0.007201342
801.679987	421.339678	9.50905E-06	0.007623215
801.719987	381.536698	8.61075E-06	0.006903412
801.759987	334.299643	7.54468E-06	0.00604902
801.799987	314.720719	7.10281E-06	0.005695032
801.839987	294.501329	6.64648E-06	0.005329417
801.879987	302.704767	6.83162E-06	0.005478143
801.919987	308.29482	6.95778E-06	0.005579587
801.959987	341.982744	7.71807E-06	0.006189587
801.999987	432.800807	9.76771E-06	0.007833704
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802.079987	757.494224	1.70956E-05	0.01371203
802.119987	1004.644391	2.26734E-05	0.018186807
802.159987	1212.551174	2.73656E-05	0.021951582
802.199987	1293.978886	2.92033E-05	0.023426888
802.239987	1317.439092	2.97328E-05	0.023852813
802.279987	1267.870637	2.86141E-05	0.022956499
802.319987	1079.095764	2.43537E-05	0.019539451
802.359987	804.64347	1.81597E-05	0.014570602
802.399987	578.421657	1.30542E-05	0.010474667
802.439987	437.274844	9.86868E-06	0.007919027
802.479987	370.300765	8.35717E-06	0.006706464
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802.559987	329.682909	7.44048E-06	0.005971435
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802.639987	409.188761	9.23482E-06	0.007412236
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802.759987	436.638532	9.85432E-06	0.007910657
802.799987	418.590126	9.447E-06	0.007584048
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802.879987	380.78038	8.59368E-06	0.006899696
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802.999987	561.735624	1.26776E-05	0.010180105
803.039987	788.764835	1.78013E-05	0.014295175
803.079987	1097.444746	2.47678E-05	0.019890524
803.119987	1374.349031	3.10171E-05	0.024910488
803.159987	1574.941093	3.55442E-05	0.028547701
803.199987	1678.804404	3.78883E-05	0.030431864

803.239987	1619.990445	3.65609E-05	0.029367199
803.279987	1412.717845	3.18831E-05	0.025611035
803.319987	1169.287598	2.63892E-05	0.021198966
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803.399987	692.863911	1.5637E-05	0.012562744
803.439987	527.167066	1.18974E-05	0.009558868
803.479987	422.726393	9.54035E-06	0.007665477
803.519987	363.93547	8.21352E-06	0.006599725
803.559987	338.894691	7.64838E-06	0.006145933
803.599987	326.884935	7.37734E-06	0.005928428
803.639987	335.425117	7.57008E-06	0.006083617
803.679987	342.804048	7.73661E-06	0.006217759
803.719987	368.151499	8.30867E-06	0.006677841
803.759987	395.681767	8.92999E-06	0.007177566
803.799987	344.883074	7.78353E-06	0.006256402
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803.879987	325.712759	7.35088E-06	0.005909228
803.919987	350.585014	7.91222E-06	0.006360788
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803.999986	443.004591	9.998E-06	0.008038389
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804.199986	1169.3305	2.63902E-05	0.021222967
804.239986	1098.527338	2.47922E-05	0.019938904
804.279986	955.360738	2.15612E-05	0.01734121
804.319986	831.925882	1.87754E-05	0.015101436
804.359986	712.57049	1.60817E-05	0.012935495
804.399986	568.100968	1.28212E-05	0.010313411
804.439986	450.719849	1.01721E-05	0.008182859
804.479986	361.777589	8.16482E-06	0.006568431
804.519986	304.26846	6.86692E-06	0.005524571
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804.599986	356.303254	8.04127E-06	0.006470004
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804.799986	363.464188	8.20288E-06	0.006601678
804.839986	349.642759	7.89095E-06	0.006350952
804.879986	358.989349	8.10189E-06	0.006521049
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805.079986	1199.845755	2.70788E-05	0.021800638
805.119986	1521.554572	3.43394E-05	0.027647311
805.159986	1768.33408	3.99088E-05	0.032132999
805.199986	1862.203962	4.20273E-05	0.033840421
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805.319986	1288.03883	2.90692E-05	0.023410042
805.359986	980.207422	2.21219E-05	0.017816106
805.399986	754.957332	1.70383E-05	0.013722675
805.439986	609.148526	1.37476E-05	0.011072894
805.479986	515.725009	1.16392E-05	0.009375139
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805.679986	379.232954	8.55876E-06	0.006895621
805.719986	377.449706	8.51851E-06	0.006863537
805.759986	336.890182	7.60314E-06	0.006126308
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805.839986	315.949798	7.13055E-06	0.00574608
805.879986	352.970377	7.96605E-06	0.00641968
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806.359986	840.6268	1.89718E-05	0.015298081
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806.439986	536.00087	1.20968E-05	0.009755338
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808.319986	867.431707	1.95767E-05	0.015824258
808.359986	772.45694	1.74333E-05	0.014092364
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808.439986	460.393107	1.03904E-05	0.00840004
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808.559986	304.081376	6.86269E-06	0.005548899
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808.639986	332.414308	7.50213E-06	0.006066521
808.679986	386.887856	8.73152E-06	0.007061005
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808.799986	384.580272	8.67944E-06	0.007019932
808.839986	362.037877	8.17069E-06	0.006608781
808.879986	340.385389	7.68202E-06	0.006213836
808.919986	377.276998	8.51462E-06	0.006887643
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808.999986	573.717058	1.2948E-05	0.010474928
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809.159986	1537.344741	3.46957E-05	0.028074396
809.199986	1625.953444	3.66955E-05	0.029694002
809.239986	1537.193975	3.46923E-05	0.028074418
809.279986	1377.802492	3.10951E-05	0.025164628
809.319986	1154.710787	2.60602E-05	0.021091052
809.359986	901.449265	2.03445E-05	0.016465987
809.399986	690.84419	1.55914E-05	0.012619672
809.439986	530.323616	1.19687E-05	0.009687916
809.479986	422.83801	9.54286E-06	0.007724758
809.519986	368.191064	8.30956E-06	0.006726754
809.559986	336.67057	7.59819E-06	0.006151187
809.599986	339.083294	7.65264E-06	0.006195575
809.639986	343.577355	7.75406E-06	0.006277999
809.679986	350.878601	7.91884E-06	0.006411727
809.719986	355.546932	8.0242E-06	0.006497354
809.759986	360.973422	8.14667E-06	0.006596845
809.799986	345.570073	7.79904E-06	0.006315659
809.839986	308.945692	6.97247E-06	0.005646588
809.879986	281.886498	6.36179E-06	0.005152283
809.919986	292.895859	6.61025E-06	0.005353775
809.959986	338.185039	7.63237E-06	0.00618191
809.999986	419.501176	9.46756E-06	0.007668721
810.039986	573.997514	1.29543E-05	0.010493521
810.079986	735.186754	1.65921E-05	0.013440961
810.119986	920.177393	2.07671E-05	0.016823861
810.159986	1085.852472	2.45062E-05	0.019853925
810.199986	1176.450599	2.65509E-05	0.021511499
810.239986	1161.80143	2.62202E-05	0.021244687
810.279986	1081.754134	2.44137E-05	0.01978192
810.319986	935.046482	2.11027E-05	0.017099937
810.359986	757.361545	1.70926E-05	0.013851155
810.399986	587.515821	1.32594E-05	0.010745429
810.439986	485.155158	1.09493E-05	0.008873731
810.479986	433.761484	9.78939E-06	0.007934107
810.519986	388.994398	8.77906E-06	0.007115605
810.559986	368.707388	8.32121E-06	0.006744842

810.599986	392.258887	8.85274E-06	0.007176028
810.639986	410.064387	9.25458E-06	0.007502134
810.679986	451.460558	1.01888E-05	0.008259885
810.719986	476.661217	1.07576E-05	0.008721385
810.759986	489.067716	1.10376E-05	0.008948826
810.799986	482.72862	1.08945E-05	0.008833271
810.839986	447.748769	1.01051E-05	0.008193592
810.879986	442.351975	9.98327E-06	0.008095232
810.919986	489.190781	1.10404E-05	0.008952844
810.959986	589.988274	1.33152E-05	0.010798105
810.999986	715.662785	1.61515E-05	0.013098876
811.039986	913.602984	2.06187E-05	0.016722628
811.079986	1168.341405	2.63678E-05	0.021386426
811.119986	1433.682052	3.23562E-05	0.026244766
811.159986	1677.658336	3.78624E-05	0.030712473
811.199986	1768.445376	3.99113E-05	0.032376086
811.239986	1685.343684	3.80359E-05	0.03085621
811.279986	1477.721923	3.33501E-05	0.027056289
811.319986	1222.664094	2.75938E-05	0.022387422
811.359986	946.15525	2.13534E-05	0.017325299
811.399986	700.149435	1.58014E-05	0.012821254
811.439986	509.840627	1.15064E-05	0.009336747
811.479986	361.008516	8.14746E-06	0.0066115
811.519986	282.181829	6.36845E-06	0.005168125
811.559986	282.482936	6.37525E-06	0.005173895
811.599986	320.001892	7.222E-06	0.005861373
811.639986	388.902158	8.77698E-06	0.007123748
811.679986	418.386212	9.44239E-06	0.007664202
811.719986	434.113287	9.79733E-06	0.00795269
811.759986	438.359686	9.89317E-06	0.008030878
811.799986	417.297009	9.41781E-06	0.00764538
811.839986	391.095116	8.82647E-06	0.007165683
811.879986	383.307165	8.65071E-06	0.007023337
811.919986	374.85913	8.46005E-06	0.006868882
811.959986	374.736479	8.45728E-06	0.006866973
811.999986	424.858246	9.58846E-06	0.007785828
812.039986	531.991576	1.20063E-05	0.009749603
812.079986	688.78953	1.5545E-05	0.0126238
812.119986	886.169797	1.99996E-05	0.016242089
812.159986	1021.954036	2.30641E-05	0.018731722
812.199986	1114.729577	2.51579E-05	0.020433241
812.239986	1163.063134	2.62487E-05	0.021320256
812.279986	1102.462235	2.4881E-05	0.020210368
812.319986	909.42931	2.05246E-05	0.016672504
812.359986	699.242748	1.57809E-05	0.0128198
812.399986	554.837219	1.25219E-05	0.010172794

812.439986	431.586107	9.7403E-06	0.007913407
812.479986	353.376965	7.97523E-06	0.006479711
812.519986	332.534045	7.50483E-06	0.006097825
812.559986	334.785151	7.55563E-06	0.006139406
812.599986	339.540972	7.66297E-06	0.006226927
812.639986	384.292198	8.67294E-06	0.007047978
812.679986	435.510574	9.82887E-06	0.007987724
812.719986	442.613919	9.98918E-06	0.008118406
812.759986	422.11154	9.52647E-06	0.007742733
812.799986	393.147203	8.87278E-06	0.007211799
812.839986	362.258289	8.17566E-06	0.006645507
812.879986	360.641712	8.13918E-06	0.006616177
812.919986	369.880615	8.34769E-06	0.006786004
812.959986	421.592814	9.51476E-06	0.007735121
812.999986	531.95176	1.20054E-05	0.009760398
813.039986	690.605985	1.5586E-05	0.012672054
813.079986	894.570395	2.01892E-05	0.016415441
813.119986	1188.497064	2.68227E-05	0.021810092
813.159986	1435.30951	3.23929E-05	0.02634064
813.199986	1523.847109	3.43911E-05	0.027966847
813.239986	1492.231818	3.36776E-05	0.027387966
813.279986	1307.723167	2.95135E-05	0.024002731
813.319986	1065.499252	2.40468E-05	0.019557771
813.359986	816.858695	1.84354E-05	0.014994587
813.399986	618.981211	1.39695E-05	0.011362827
813.439986	466.200032	1.05215E-05	0.008558597
813.479986	385.89341	8.70908E-06	0.00708466
813.519986	346.604354	7.82238E-06	0.00636366
813.559986	331.655581	7.485E-06	0.0060895
813.599986	348.824847	7.87249E-06	0.006405059
813.639986	359.381556	8.11074E-06	0.006599223
813.679986	371.365441	8.3812E-06	0.006819615
813.719986	372.505515	8.40693E-06	0.006840887
813.759986	351.990556	7.94394E-06	0.006464458
813.799986	327.38363	7.38859E-06	0.006012836
813.839986	297.624514	6.71697E-06	0.005466539
813.879986	299.527408	6.75992E-06	0.005501761
813.919986	302.438455	6.82561E-06	0.005555504
813.959986	320.869003	7.24157E-06	0.005894345
813.999986	379.820197	8.57201E-06	0.006977618
814.039986	486.046435	1.09694E-05	0.008929523
814.079986	635.155958	1.43346E-05	0.011669499
814.119986	821.839265	1.85478E-05	0.015100108
814.159986	1021.186228	2.30468E-05	0.018763742
814.199986	1118.981598	2.52539E-05	0.020561689
814.239986	1104.508597	2.49272E-05	0.02029674

814.279986	990.52306	2.23547E-05	0.018203006
814.319986	833.592845	1.8813E-05	0.015319826
814.359986	687.391905	1.55135E-05	0.012633556
814.399986	573.061478	1.29332E-05	0.010532797
814.439986	485.561639	1.09584E-05	0.008925
814.479986	438.572948	9.89798E-06	0.008061707
814.519986	364.909273	8.23549E-06	0.006707974
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815.119986	1245.489281	2.8109E-05	0.022912174
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815.199986	1716.88628	3.87477E-05	0.031587151
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815.319986	1176.841075	2.65597E-05	0.021654625
815.359986	948.881895	2.14149E-05	0.017460887
815.399986	767.686543	1.73256E-05	0.014127307
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815.479986	445.819381	1.00615E-05	0.00820497
815.519986	369.864004	8.34732E-06	0.006807403
815.559986	337.301847	7.61243E-06	0.006208396
815.599986	347.495138	7.84248E-06	0.006396328
815.639986	372.123987	8.39832E-06	0.006850006
815.679986	366.074041	8.26178E-06	0.00673897
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815.879986	312.399182	7.05041E-06	0.005752292
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816.239986	1163.706491	2.62632E-05	0.021437102
816.279986	1060.303467	2.39296E-05	0.019533231
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816.359986	794.136809	1.79226E-05	0.014631262
816.399986	619.502155	1.39813E-05	0.011414334
816.439986	518.041426	1.16915E-05	0.009545386
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816.559986	378.71883	8.54716E-06	0.006979266
816.599986	400.120456	9.03016E-06	0.00737403
816.639986	398.452125	8.99251E-06	0.007343643
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817.279986	1260.882649	2.84564E-05	0.023256818
817.319986	1092.885096	2.46649E-05	0.020159111
817.359986	884.073315	1.99523E-05	0.016308214
817.399986	696.87779	1.57276E-05	0.012855708
817.439986	558.925909	1.26142E-05	0.010311335
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817.519986	374.402884	8.44975E-06	0.006907841
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817.639986	402.574857	9.08555E-06	0.007428712
817.679986	410.677756	9.26842E-06	0.007578606
817.719986	383.678378	8.65909E-06	0.007080708
817.759986	365.323679	8.24485E-06	0.006742306
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817.839986	307.005029	6.92868E-06	0.005666548
817.879986	283.463929	6.39739E-06	0.005232294
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818.079986	689.595799	1.55632E-05	0.012731956
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818.159986	966.419346	2.18107E-05	0.017844674
818.199986	1046.611262	2.36206E-05	0.019326341
818.239986	1030.646682	2.32603E-05	0.019032475
818.279986	956.523026	2.15874E-05	0.017664531
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818.359986	640.634022	1.44582E-05	0.011832027
818.399986	498.459384	1.12495E-05	0.009206618
818.439986	418.973831	9.45566E-06	0.007738887
818.479986	359.014528	8.10246E-06	0.0066317
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818.679986	333.926146	7.53625E-06	0.006169775
818.719986	352.13237	7.94714E-06	0.00650648
818.759986	356.417596	8.04385E-06	0.006585981
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818.839986	365.985629	8.25979E-06	0.006763443
818.879986	380.019159	8.5765E-06	0.007023127
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819.199986	1383.598217	3.12259E-05	0.025580244
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819.279986	1206.233634	2.7223E-05	0.02230327
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819.679986	394.830701	8.91078E-06	0.007303987
819.719986	393.940564	8.89069E-06	0.007287876
819.759986	362.415699	8.17922E-06	0.006704995

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819.839986	316.004511	7.13178E-06	0.00584692
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820.199986	1064.93661	2.40341E-05	0.019712798
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820.359986	703.881429	1.58856E-05	0.01303193
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820.519986	340.635163	7.68766E-06	0.00630788
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820.599986	398.077788	8.98406E-06	0.00737232
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820.679986	433.855903	9.79152E-06	0.008035707
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820.759986	435.628292	9.83152E-06	0.008069321
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820.839986	364.483413	8.22588E-06	0.006752134
820.879986	334.300395	7.54469E-06	0.006193289
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821.079986	1078.878617	2.43488E-05	0.019992302
821.119986	1265.797284	2.85673E-05	0.023457166
821.159986	1393.749014	3.1455E-05	0.025829566
821.199986	1438.92264	3.24745E-05	0.026668042
821.239986	1366.216599	3.08336E-05	0.02532179
821.279986	1210.349727	2.73159E-05	0.022434008
821.319986	1011.81618	2.28353E-05	0.018755073
821.359986	791.899538	1.78721E-05	0.014679403
821.399986	611.818532	1.38079E-05	0.011341802
821.439986	490.750822	1.10756E-05	0.00909791
821.479986	385.27862	8.6952E-06	0.007142934
821.519986	313.095603	7.06613E-06	0.005804968
821.559986	283.085842	6.38885E-06	0.005248826
821.599986	297.788278	6.72067E-06	0.0055217

821.639986	325.788791	7.3526E-06	0.00604119
821.679986	358.727246	8.09597E-06	0.0066523
821.719986	398.801322	9.00039E-06	0.007395801
821.759986	341.406015	7.70506E-06	0.006331709
821.799986	286.009737	6.45484E-06	0.005304589
821.839986	273.163587	6.16492E-06	0.005066579
821.879986	279.513259	6.30822E-06	0.005184604
821.919986	283.534362	6.39898E-06	0.005259446
821.959986	320.651232	7.23665E-06	0.005948238
821.999986	400.785204	9.04516E-06	0.007435125
822.039986	511.551275	1.1545E-05	0.009490451
822.079986	673.311975	1.51957E-05	0.012492092
822.119986	875.839502	1.97665E-05	0.016250416
822.159986	1077.407097	2.43156E-05	0.019991295
822.199986	1190.351853	2.68646E-05	0.02208806
822.239986	1167.735706	2.63542E-05	0.021669451
822.279986	1046.699808	2.36226E-05	0.019424356
822.319986	855.201556	1.93007E-05	0.015871358
822.359986	660.545178	1.49076E-05	0.012259401
822.399986	514.372293	1.16087E-05	0.009546967
822.439986	406.614277	9.17672E-06	0.0075473
822.479986	335.985343	7.58272E-06	0.006236636
822.519986	322.06496	7.26856E-06	0.005978534
822.559986	342.495913	7.72966E-06	0.006358105
822.599986	372.893052	8.41568E-06	0.006922736
822.639986	397.975128	8.98174E-06	0.007388742
822.679986	410.954249	9.27466E-06	0.007630081
822.719986	421.712981	9.51747E-06	0.007830217
822.759986	406.550417	9.17528E-06	0.00754905
822.799986	375.779884	8.48083E-06	0.006978026
822.839986	353.683224	7.98214E-06	0.006568022
822.879986	367.482474	8.29357E-06	0.006824611
822.919986	420.40886	9.48804E-06	0.0078079
822.959986	504.015016	1.13749E-05	0.009361101
822.999986	632.289544	1.42699E-05	0.011744123
823.039986	810.890865	1.83007E-05	0.015062189
823.079986	1004.755218	2.26759E-05	0.018664101
823.119986	1195.796068	2.69875E-05	0.022213911
823.159986	1410.940107	3.1843E-05	0.026211845
823.199986	1565.418561	3.53293E-05	0.029083093
823.239986	1580.268593	3.56645E-05	0.02936041
823.279986	1482.082523	3.34485E-05	0.027537512
823.319986	1253.370182	2.82868E-05	0.023289104
823.359986	1013.28634	2.28685E-05	0.018828976
823.399986	825.226138	1.86242E-05	0.01533517
823.439986	615.489625	1.38907E-05	0.011438194

823.479986	448.569544	1.01236E-05	0.008336574
823.519986	358.323033	8.08685E-06	0.006659684
823.559986	335.101316	7.56277E-06	0.006228395
823.599986	334.835283	7.55677E-06	0.006223752
823.639986	338.443814	7.63821E-06	0.006291131
823.679986	361.889871	8.16735E-06	0.006727283
823.719986	355.462494	8.02229E-06	0.006608123
823.759986	334.679792	7.55326E-06	0.006222071
823.799986	324.051195	7.31338E-06	0.006024766
823.839986	316.152794	7.13513E-06	0.005878204
823.879986	299.681268	6.76339E-06	0.005572221
823.919986	316.384463	7.14036E-06	0.005883083
823.959986	354.784575	8.00699E-06	0.006597442
823.999986	419.860646	9.47567E-06	0.007807952
824.039986	547.647151	1.23596E-05	0.010184832
824.079986	702.682765	1.58586E-05	0.013068731
824.119986	858.12092	1.93666E-05	0.015960397
824.159986	1064.45065	2.40232E-05	0.019798934
824.199986	1172.212169	2.64552E-05	0.021804372
824.239986	1162.430378	2.62344E-05	0.02162347
824.279986	1126.816807	2.54307E-05	0.020962005
824.319986	996.873182	2.2498E-05	0.018545583
824.359986	836.836314	1.88862E-05	0.015569052
824.399986	725.175467	1.63662E-05	0.013492295
824.439986	599.873341	1.35383E-05	0.011161521
824.479986	443.157817	1.00015E-05	0.008245999
824.519986	348.117699	7.85653E-06	0.006477867
824.559986	312.844326	7.06046E-06	0.005821773
824.599986	342.921428	7.73926E-06	0.006381793
824.639986	411.045102	9.27672E-06	0.00764995
824.679986	417.037815	9.41196E-06	0.007761857
824.719986	385.219439	8.69387E-06	0.007170005
824.759986	364.796241	8.23294E-06	0.006790202
824.799986	340.87151	7.693E-06	0.006345182
824.839986	329.395503	7.434E-06	0.006131859
824.879986	310.884566	7.01623E-06	0.005787549
824.919986	325.852692	7.35404E-06	0.006066496
824.959986	420.215486	9.48368E-06	0.007823655
824.999986	558.884071	1.26132E-05	0.010405919
825.039986	736.383491	1.66191E-05	0.013711463
825.079986	931.908951	2.10319E-05	0.017352989
825.119986	1123.514815	2.53562E-05	0.020921878
825.159986	1344.480768	3.03431E-05	0.025037878
825.199986	1388.348573	3.13331E-05	0.025856068
825.239986	1287.55863	2.90584E-05	0.023980158
825.279986	1180.798634	2.6649E-05	0.02199287

825.319986	1030.09996	2.32479E-05	0.019186974
825.359986	854.69904	1.92894E-05	0.015920672
825.399986	678.937158	1.53227E-05	0.012647328
825.439986	552.752482	1.24749E-05	0.010297243
825.479986	439.81616	9.92604E-06	0.008193746
825.519986	351.283068	7.92797E-06	0.006544697
825.559986	330.427065	7.45728E-06	0.006156431
825.599986	355.266223	8.01786E-06	0.006619548
825.639986	366.014025	8.26043E-06	0.006820139
825.679986	383.893265	8.66394E-06	0.007153639
825.719986	366.738972	8.27679E-06	0.006834309
825.759986	334.715576	7.55406E-06	0.006237844
825.799986	303.98556	6.86053E-06	0.005665426
825.839986	269.135453	6.07401E-06	0.005016162
825.879986	253.315339	5.71697E-06	0.004721535
825.919986	272.046489	6.13971E-06	0.005070909
825.959986	307.251738	6.93424E-06	0.005727408
825.999986	382.993459	8.64363E-06	0.007139637
826.039986	529.663822	1.19538E-05	0.009874296
826.079986	705.814756	1.59293E-05	0.01315884
826.119986	836.123746	1.88701E-05	0.015589007
826.159986	928.08685	2.09456E-05	0.017304439
826.199986	1003.788338	2.26541E-05	0.018716821
826.239986	1035.612871	2.33723E-05	0.019311162
826.279986	962.306347	2.17179E-05	0.017945078
826.319986	817.790854	1.84564E-05	0.015250893
826.359986	665.895643	1.50283E-05	0.012418816
826.399986	543.040332	1.22557E-05	0.01012808
826.439986	438.037223	9.88589E-06	0.008170095
826.479986	348.53369	7.86592E-06	0.006501025
826.519986	291.391039	6.57629E-06	0.005435435
826.559986	254.7321	5.74895E-06	0.004751851
826.599986	257.856461	5.81946E-06	0.004810367
826.639986	303.929618	6.85927E-06	0.005670145
826.679986	379.689878	8.56907E-06	0.00708388
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826.759986	441.240326	9.95818E-06	0.008233024
826.799986	435.462441	9.82778E-06	0.008125609
826.839986	362.265362	8.17582E-06	0.006760099
826.879986	344.041415	7.76454E-06	0.006420339
826.919986	361.765001	8.16453E-06	0.006751415
826.959986	425.284251	9.59807E-06	0.007937222
826.999986	508.84806	1.1484E-05	0.009497261
827.039986	610.202192	1.37714E-05	0.01138951
827.079986	786.952484	1.77604E-05	0.014689289
827.119986	986.190741	2.2257E-05	0.018409169

827.159986	1191.660604	2.68941E-05	0.02224574
827.199986	1301.808649	2.938E-05	0.024303142
827.239986	1314.737324	2.96718E-05	0.024545691
827.279986	1253.772167	2.82959E-05	0.023408625
827.319986	1060.343479	2.39305E-05	0.019798161
827.359986	829.221733	1.87144E-05	0.015483529
827.399986	621.952256	1.40366E-05	0.011613879
827.439986	477.729721	1.07817E-05	0.008921205
827.479986	420.801907	9.49691E-06	0.007858505
827.519986	381.844611	8.6177E-06	0.00713132
827.559986	341.146604	7.6992E-06	0.006371553
827.599986	330.428675	7.45731E-06	0.006171674
827.639986	325.811184	7.3531E-06	0.006085723
827.679986	321.43228	7.25428E-06	0.006004221
827.719986	302.883562	6.83566E-06	0.005658012
827.759986	296.343174	6.68805E-06	0.005536102
827.799986	305.405292	6.89257E-06	0.005705671
827.839986	326.399383	7.36638E-06	0.006098183
827.879986	340.273914	7.67951E-06	0.006357711
827.919986	340.235589	7.67864E-06	0.006357302
827.959986	341.863326	7.71538E-06	0.006388025
827.999986	374.000387	8.44067E-06	0.006988873
828.039986	482.087867	1.08801E-05	0.009009118
828.079986	692.538514	1.56296E-05	0.012942583
828.119986	878.25029	1.98209E-05	0.016414072
828.159986	1018.333848	2.29824E-05	0.019033085
828.199986	1107.199973	2.4988E-05	0.020695029
828.239986	1104.445166	2.49258E-05	0.020644535
828.279986	1030.642962	2.32602E-05	0.019265938
828.319986	907.904621	2.04901E-05	0.016972395
828.359986	766.404345	1.72967E-05	0.014327876
828.399986	624.688791	1.40984E-05	0.011679078
828.439986	524.783965	1.18436E-05	0.009811748
828.479986	440.830889	9.94894E-06	0.008242497
828.519986	392.516381	8.85855E-06	0.007339484
828.559986	390.197722	8.80622E-06	0.007296481
828.599986	442.666574	9.99037E-06	0.008278019
828.639986	512.502161	1.15665E-05	0.009584431
828.679986	548.973708	1.23896E-05	0.01026699
828.719986	575.540713	1.29892E-05	0.01076437
828.759986	596.579512	1.3464E-05	0.011158398
828.799986	612.448484	1.38221E-05	0.011455764
828.839986	649.151777	1.46505E-05	0.01214288
828.879986	735.424519	1.65975E-05	0.013757341
828.919986	832.816419	1.87955E-05	0.015579971
828.959986	936.03446	2.1125E-05	0.017511775

828.999986	1204.713866	2.71887E-05	0.022539443
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829.079986	2216.594861	5.00255E-05	0.041475106
829.119986	2838.752867	6.40667E-05	0.05311898
829.159986	3425.681704	7.73129E-05	0.064104734
829.199986	3730.000106	8.41809E-05	0.069802807
829.239986	3658.719839	8.25722E-05	0.068472179
829.279986	3166.267316	7.14582E-05	0.059258891
829.319986	2448.284939	5.52544E-05	0.045823562
829.359986	1737.302749	3.92085E-05	0.032517964
829.399986	1131.091255	2.55272E-05	0.021172221
829.439986	726.81666	1.64032E-05	0.013605503
829.479986	533.940929	1.20503E-05	0.009995485
829.519986	447.830842	1.01069E-05	0.008383891
829.559986	418.878483	9.4535E-06	0.007842249
829.599986	383.63423	8.65809E-06	0.007182752
829.639986	362.675553	8.18508E-06	0.006790671
829.679986	398.634161	8.99662E-06	0.007464314
829.719986	408.136175	9.21106E-06	0.007642605
829.759986	368.900771	8.32558E-06	0.00690823
829.799986	348.670828	7.86901E-06	0.006529708
829.839986	367.187679	8.28691E-06	0.006876813
829.879986	406.82589	9.18149E-06	0.007619538
829.919986	438.139593	9.8882E-06	0.008206415
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829.999986	634.570016	1.43214E-05	0.01188673
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830.079986	1110.612851	2.5065E-05	0.020805942
830.119986	1412.09274	3.1869E-05	0.026455066
830.159986	1695.074713	3.82555E-05	0.031758165
830.199986	1871.747587	4.22427E-05	0.035069919
830.239986	1831.596367	4.13366E-05	0.034319281
830.279986	1636.130568	3.69252E-05	0.030658245
830.319986	1301.341348	2.93695E-05	0.024386051
830.359986	948.587012	2.14083E-05	0.017776585
830.399986	677.699159	1.52947E-05	0.01270074
830.439986	500.483578	1.12952E-05	0.00938
830.479986	369.760062	8.34497E-06	0.00693033
830.519986	306.472483	6.91666E-06	0.005744422
830.559986	315.654829	7.12389E-06	0.005916818
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830.679986	444.355123	1.00285E-05	0.008330454
830.719986	405.916854	9.16098E-06	0.007610208
830.759986	407.847096	9.20454E-06	0.007646764
830.799986	412.015577	9.29862E-06	0.007725291

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831.119986	1412.459847	3.18773E-05	0.026493821
831.159986	1729.405204	3.90303E-05	0.032440396
831.199986	1883.990813	4.2519E-05	0.035341832
831.239986	1878.165104	4.23876E-05	0.035234243
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831.319986	1332.732044	3.00779E-05	0.025004364
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831.639986	356.698852	8.0502E-06	0.006694865
831.679986	433.690722	9.7878E-06	0.008140314
831.719986	480.702575	1.08488E-05	0.009023153
831.759986	471.983717	1.0652E-05	0.00885992
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831.839986	367.634224	8.29699E-06	0.00690177
831.879986	325.511486	7.34634E-06	0.006111274
831.919986	323.783356	7.30734E-06	0.006079122
831.959986	360.041615	8.12564E-06	0.006760205
831.999986	435.296727	9.82404E-06	0.008173602
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832.079986	728.743444	1.64467E-05	0.01368499
832.119986	889.264007	2.00694E-05	0.01670019
832.159986	1074.072731	2.42403E-05	0.020171829
832.199986	1252.885842	2.82759E-05	0.023531194
832.239986	1268.572094	2.86299E-05	0.023826952
832.279986	1136.246427	2.56435E-05	0.021342571
832.319986	953.745223	2.15247E-05	0.017915439
832.359986	736.682331	1.66259E-05	0.013838729
832.399986	526.048162	1.18722E-05	0.009882398
832.439986	399.99481	9.02733E-06	0.007514707
832.479986	352.033204	7.9449E-06	0.006613969
832.519986	326.366372	7.36563E-06	0.006132038
832.559986	298.515343	6.73708E-06	0.005609019
832.599986	306.075471	6.9077E-06	0.005751348
832.639986	363.285818	8.19885E-06	0.006826694

832.679986	428.663903	9.67435E-06	0.008055635
832.719986	428.387005	9.6681E-06	0.008050818
832.759986	402.343674	9.08034E-06	0.007561741
832.799986	375.656839	8.47805E-06	0.007060521
832.839986	356.866058	8.05397E-06	0.006707668
832.879986	367.278884	8.28897E-06	0.00690372
832.919986	389.492352	8.7903E-06	0.007321616
832.959986	435.415588	9.82672E-06	0.008185267
832.999986	565.254777	1.2757E-05	0.010626592
833.039986	746.348022	1.6844E-05	0.014031755
833.079986	933.769903	2.10739E-05	0.017556233
833.119986	1173.702099	2.64888E-05	0.022068367
833.159986	1358.274522	3.06544E-05	0.02553999
833.199986	1413.348927	3.18973E-05	0.026576844
833.239986	1398.066066	3.15524E-05	0.026290724
833.279986	1328.59025	2.99844E-05	0.024985427
833.319986	1138.537645	2.56952E-05	0.021412331
833.359986	907.935255	2.04908E-05	0.017076241
833.399986	676.089157	1.52584E-05	0.012716342
833.439986	501.309253	1.13139E-05	0.009429416
833.479986	422.567308	9.53676E-06	0.007948695
833.519986	406.79254	9.18074E-06	0.007652331
833.559986	380.69932	8.59185E-06	0.007161825
833.599986	356.568899	8.04726E-06	0.006708199
833.639986	360.470468	8.13532E-06	0.006781925
833.679986	397.814247	8.97811E-06	0.007484873
833.719986	404.380447	9.1263E-06	0.007608782
833.759986	368.574041	8.3182E-06	0.006935385
833.799986	343.088268	7.74302E-06	0.006456134
833.839986	313.596694	7.07744E-06	0.005901453
833.879986	278.381591	6.28268E-06	0.005239005
833.919986	280.683857	6.33464E-06	0.005282586
833.959986	335.777401	7.57803E-06	0.006319772
833.999986	432.394249	9.75854E-06	0.008138619
834.039986	515.733787	1.16394E-05	0.009707719
834.079986	656.114025	1.48076E-05	0.012350706
834.119986	811.70846	1.83191E-05	0.015280352
834.159986	923.67234	2.0846E-05	0.017388898
834.199986	1059.94156	2.39214E-05	0.019955235
834.239986	1096.279998	2.47415E-05	0.020640359
834.279986	1018.275457	2.29811E-05	0.019172637
834.319986	926.27902	2.09048E-05	0.017441315
834.359986	783.707811	1.76872E-05	0.014757487
834.399986	643.897584	1.45319E-05	0.012125393
834.439986	517.328106	1.16754E-05	0.0097424
834.479986	419.29986	9.46301E-06	0.007896696

834.519986	367.747927	8.29956E-06	0.006926147
834.559986	356.211203	8.03919E-06	0.006709187
834.599986	372.727478	8.41194E-06	0.007020605
834.639986	384.021946	8.66684E-06	0.007233692
834.679986	405.338097	9.14792E-06	0.007635583
834.719986	413.239934	9.32625E-06	0.007784807
834.759986	388.491214	8.76771E-06	0.00731893
834.799986	382.341844	8.62892E-06	0.007203425
834.839986	391.075733	8.82603E-06	0.007368327
834.879986	396.026284	8.93776E-06	0.007461958
834.919986	405.075355	9.14199E-06	0.007632827
834.959986	458.830625	1.03552E-05	0.008646151
834.999986	560.97118	1.26603E-05	0.010571382
835.039986	678.35575	1.53095E-05	0.012784082
835.079986	841.285416	1.89866E-05	0.015855363
835.119986	1039.14117	2.3452E-05	0.019585208
835.159986	1243.768542	2.80701E-05	0.023443044
835.199986	1358.625304	3.06623E-05	0.025609136
835.239986	1343.886159	3.03296E-05	0.025332527
835.279986	1200.545964	2.70947E-05	0.022631619
835.319986	1009.366021	2.278E-05	0.019028577
835.359986	839.067733	1.89366E-05	0.01581887
835.399986	693.175164	1.5644E-05	0.013068996
835.439986	539.237795	1.21698E-05	0.010167176
835.479986	416.292309	9.39514E-06	0.007849449
835.519986	347.247838	7.8369E-06	0.006547887
835.559986	328.345177	7.41029E-06	0.006191745
835.599986	345.240996	7.79161E-06	0.006510668
835.639986	367.978553	8.30476E-06	0.006939792
835.679986	373.615518	8.43198E-06	0.007046438
835.719986	356.709962	8.05045E-06	0.006727919
835.759986	343.455612	7.75131E-06	0.006478239
835.799986	325.223506	7.33984E-06	0.006134639
835.839986	303.529783	6.85024E-06	0.005725708
835.879986	307.195542	6.93298E-06	0.005795135
835.919986	349.261729	7.88235E-06	0.006589015
835.959986	377.238915	8.51376E-06	0.00711716
835.999986	415.260228	9.37184E-06	0.007834862
836.039986	510.927423	1.15309E-05	0.00964031
836.079986	669.461232	1.51088E-05	0.012632172
836.119986	887.491187	2.00294E-05	0.016747015
836.159986	977.13165	2.20525E-05	0.018439418
836.199986	954.177969	2.15345E-05	0.018007122
836.239986	947.848827	2.13916E-05	0.01788535
836.279986	896.371889	2.02299E-05	0.016917831
836.319986	795.202017	1.79466E-05	0.015009102

836.359986	667.839364	1.50722E-05	0.012605789
836.399986	547.065024	1.23465E-05	0.010326609
836.439986	439.870027	9.92725E-06	0.008303552
836.479986	365.941447	8.25879E-06	0.006908311
836.519986	321.289157	7.25105E-06	0.006065647
836.559986	323.390098	7.29846E-06	0.006105603
836.599986	344.438545	7.7735E-06	0.006503308
836.639986	369.209039	8.33253E-06	0.006971331
836.679986	383.274377	8.64997E-06	0.007237256
836.719986	382.114993	8.6238E-06	0.007215708
836.759986	371.234086	8.37824E-06	0.007010573
836.799986	368.089808	8.30727E-06	0.006951527
836.839986	369.543916	8.34009E-06	0.006979322
836.879986	377.26577	8.51436E-06	0.0071255
836.919986	394.786548	8.90978E-06	0.007456775
836.959986	437.282505	9.86886E-06	0.008259838
836.999986	510.553206	1.15225E-05	0.009644311
837.039986	633.288074	1.42924E-05	0.011963335
837.079986	774.813295	1.74865E-05	0.014637563
837.119986	974.315237	2.19889E-05	0.018407379
837.159986	1156.497847	2.61005E-05	0.021850332
837.199986	1249.03951	2.81891E-05	0.023599899
837.239986	1237.878398	2.79372E-05	0.023390134
837.279986	1148.001394	2.59088E-05	0.021692913
837.319986	979.611156	2.21085E-05	0.018511855
837.359986	773.684805	1.7461E-05	0.014621133
837.399986	594.138476	1.34089E-05	0.011228594
837.439986	467.153311	1.0543E-05	0.008829129
837.479986	390.14407	8.80501E-06	0.007374018
837.519986	348.179787	7.85793E-06	0.006581176
837.559986	315.616727	7.12303E-06	0.005965965
837.599986	314.102438	7.08885E-06	0.005937624
837.639986	319.382702	7.20802E-06	0.006037728
837.679986	323.757337	7.30675E-06	0.00612072
837.719986	343.80207	7.75913E-06	0.006499981
837.759986	373.886586	8.4381E-06	0.007069102
837.799986	351.433897	7.93137E-06	0.006644905
837.839986	303.109493	6.84076E-06	0.005731461
837.879986	291.038577	6.56834E-06	0.005503477
837.919986	322.559667	7.27972E-06	0.006099825
837.959986	346.440638	7.81868E-06	0.006551743
837.999986	387.242565	8.73953E-06	0.007323722
838.039986	490.481664	1.10695E-05	0.009276674
838.079986	624.626915	1.4097E-05	0.01181438
838.119986	771.240859	1.74058E-05	0.014588176
838.159986	869.279828	1.96184E-05	0.016443387

838.199986	937.728087	2.11632E-05	0.017739008
838.239986	955.46005	2.15634E-05	0.018075306
838.279986	889.689335	2.0079E-05	0.016831865
838.319986	755.529221	1.70512E-05	0.014294397
838.359986	615.914757	1.39003E-05	0.011653487
838.399986	491.366009	1.10894E-05	0.009297392
838.439986	395.667188	8.92966E-06	0.007486982
838.479986	362.552669	8.18231E-06	0.006860702
838.519986	341.944497	7.71721E-06	0.006471036
838.559986	346.427414	7.81838E-06	0.006556184
838.599986	357.897112	8.07724E-06	0.006773573
838.639986	356.511153	8.04596E-06	0.006747664
838.679986	358.920395	8.10033E-06	0.006793587
838.719986	371.781746	8.3906E-06	0.007037361
838.759986	390.785241	8.81948E-06	0.007397426
838.799986	372.081338	8.39736E-06	0.007043703
838.839986	353.767701	7.98404E-06	0.006697336
838.879986	351.243792	7.92708E-06	0.006649871
838.919986	352.068458	7.94569E-06	0.006665802
838.959986	414.069034	9.34496E-06	0.007840049
838.999986	516.669333	1.16605E-05	0.009783165
839.039986	684.075287	1.54386E-05	0.012953625
839.079986	920.09766	2.07653E-05	0.017423767
839.119986	1161.052794	2.62033E-05	0.02198775
839.159986	1427.932619	3.22265E-05	0.027043148
839.199986	1613.080675	3.6405E-05	0.030551062
839.239986	1599.418306	3.60966E-05	0.030293746
839.279986	1371.14335	3.09448E-05	0.025971348
839.319986	1072.848156	2.42127E-05	0.020322193
839.359986	832.807742	1.87953E-05	0.015776032
839.399986	661.12664	1.49207E-05	0.012524442
839.439986	483.614007	1.09145E-05	0.009162063
839.479986	357.337915	8.06462E-06	0.006770086
839.519986	303.798494	6.85631E-06	0.005756008
839.559986	296.516847	6.69197E-06	0.005618312
839.599986	356.108348	8.03687E-06	0.006747755
839.639986	445.282221	1.00494E-05	0.008437878
839.679986	518.762395	1.17077E-05	0.009830759
839.719986	515.202642	1.16274E-05	0.009763765
839.759986	462.136508	1.04298E-05	0.00875851
839.799986	403.054279	9.09637E-06	0.007639134
839.839986	360.263618	8.13065E-06	0.006828443
839.879986	318.599953	7.19036E-06	0.006039037
839.919986	286.046264	6.45567E-06	0.005422243
839.959986	301.278374	6.79943E-06	0.005711252
839.999986	385.399132	8.69792E-06	0.007306254

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840.079986	610.235159	1.37722E-05	0.011569714
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840.159986	1001.418471	2.26006E-05	0.018988137
840.199986	1109.876326	2.50484E-05	0.021045634
840.239986	1124.82188	2.53857E-05	0.021330049
840.279986	1015.970201	2.2929E-05	0.019266807
840.319986	850.556632	1.91959E-05	0.01613068
840.359986	685.426754	1.54691E-05	0.012999635
840.399986	554.64552	1.25176E-05	0.010519771
840.439986	450.312104	1.01629E-05	0.008541322
840.479986	395.514951	8.92622E-06	0.007502311
840.519986	358.1821	8.08367E-06	0.006794487
840.559986	329.326509	7.43244E-06	0.006247412
840.599986	324.139765	7.31538E-06	0.006149311
840.639986	324.365669	7.32048E-06	0.006153889
840.679986	353.994272	7.98916E-06	0.006716325
840.719986	377.062517	8.50978E-06	0.007154339
840.759986	382.461803	8.63163E-06	0.007257129
840.799986	374.033081	8.44141E-06	0.007097534
840.839986	362.634404	8.18415E-06	0.006881563
840.879986	346.348335	7.8166E-06	0.006572822
840.919986	344.141708	7.7668E-06	0.006531257
840.959986	400.511056	9.03898E-06	0.007601418
840.999986	508.589796	1.14782E-05	0.009653135
841.039986	623.142535	1.40635E-05	0.011827931
841.079986	758.423455	1.71166E-05	0.014396397
841.119986	960.214274	2.16707E-05	0.018227658
841.159986	1157.874373	2.61316E-05	0.021980866
841.199986	1293.010513	2.91814E-05	0.024547432
841.239986	1290.585289	2.91267E-05	0.024502555
841.279986	1164.73133	2.62864E-05	0.022114192
841.319986	984.170579	2.22114E-05	0.01868686
841.359986	802.176705	1.8104E-05	0.01523199
841.399986	615.870267	1.38993E-05	0.0116949
841.439986	485.564777	1.09585E-05	0.009220937
841.479986	412.041951	9.29921E-06	0.007825102
841.519986	351.87737	7.94138E-06	0.006682832
841.559986	327.529074	7.39187E-06	0.006220706
841.599986	344.651137	7.7783E-06	0.006546214
841.639986	364.786826	8.23273E-06	0.006928995
841.679986	357.177796	8.06101E-06	0.006784787
841.719986	348.132634	7.85687E-06	0.006613283
841.759986	329.805501	7.44325E-06	0.006265431
841.799986	317.259507	7.16011E-06	0.006027376
841.839986	329.131461	7.42804E-06	0.00625322

841.879986	321.884809	7.26449E-06	0.00611583
841.919986	276.405266	6.23808E-06	0.005251966
841.959986	272.543645	6.15093E-06	0.005178837
841.999986	365.719865	8.25379E-06	0.006949689
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842.079986	648.770341	1.46418E-05	0.012329603
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842.159986	937.117928	2.11494E-05	0.017811217
842.199986	995.756451	2.24728E-05	0.018926622
842.239986	997.783217	2.25186E-05	0.018966046
842.279986	910.555601	2.055E-05	0.01730883
842.319986	799.275303	1.80385E-05	0.015194215
842.359986	674.537219	1.52234E-05	0.012823554
842.399986	549.829588	1.24089E-05	0.010453247
842.439986	457.687103	1.03294E-05	0.008701866
842.479986	378.743119	8.5477E-06	0.00720127
842.519986	357.536988	8.06911E-06	0.006798388
842.559986	356.533775	8.04647E-06	0.006779634
842.599986	362.922161	8.19065E-06	0.00690144
842.639986	362.916415	8.19052E-06	0.006901658
842.679986	345.753934	7.80318E-06	0.006575588
842.719986	344.604891	7.77725E-06	0.006554046
842.759986	350.739917	7.91571E-06	0.006671045
842.799986	348.060244	7.85523E-06	0.006620392
842.839986	350.344994	7.9068E-06	0.006664166
842.879986	354.724584	8.00564E-06	0.006747794
842.919986	382.553804	8.63371E-06	0.007277524
842.959986	463.114482	1.04518E-05	0.00881049
842.999986	566.7665	1.27911E-05	0.010782923
843.039986	663.19639	1.49674E-05	0.012618133
843.079986	797.536572	1.79993E-05	0.015174841
843.119986	1001.155939	2.25947E-05	0.019050039
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843.199986	1226.477925	2.76799E-05	0.02333969
843.239986	1205.675711	2.72104E-05	0.022944915
843.279986	1107.747843	2.50003E-05	0.021082274
843.319986	928.328497	2.09511E-05	0.017668465
843.359986	774.802525	1.74862E-05	0.014747173
843.399986	652.076909	1.47165E-05	0.012411869
843.439986	521.06856	1.17598E-05	0.009918678
843.479986	414.480672	9.35425E-06	0.007890124
843.519986	330.567117	7.46044E-06	0.00629303
843.559986	285.878932	6.45189E-06	0.005442556
843.599986	299.791276	6.76587E-06	0.005707689
843.639986	346.123441	7.81152E-06	0.006590114
843.679986	372.903923	8.41592E-06	0.007100345

843.719986	359.326387	8.1095E-06	0.006842144
843.759986	358.763023	8.09678E-06	0.00683174
843.799986	350.747797	7.91589E-06	0.006679427
843.839986	329.281131	7.43142E-06	0.006270926
843.879986	309.262555	6.97963E-06	0.005889966
843.919986	303.091917	6.84036E-06	0.005772719
843.959986	338.014825	7.62852E-06	0.006438169
843.999986	424.203669	9.57369E-06	0.008080191
844.039986	507.834281	1.14611E-05	0.009673637
844.079986	642.247643	1.44946E-05	0.012234631
844.119986	848.481419	1.9149E-05	0.016164091
844.159986	1003.406262	2.26455E-05	0.01911641
844.199986	1061.142796	2.39485E-05	0.020217336
844.239986	1054.213696	2.37921E-05	0.020086271
844.279986	945.492317	2.13384E-05	0.018015622
844.319986	778.380316	1.7567E-05	0.014832135
844.359986	643.505461	1.4523E-05	0.012262659
844.399986	519.137229	1.17162E-05	0.009893163
844.439986	441.054829	9.95399E-06	0.00840555
844.479986	390.507672	8.81321E-06	0.007442583
844.519986	361.838841	8.1662E-06	0.006896518
844.559986	352.375244	7.95262E-06	0.006716463
844.599986	383.710257	8.65981E-06	0.007314072
844.639986	409.907204	9.25103E-06	0.007813794
844.679986	418.782286	9.45133E-06	0.007983352
844.719986	437.040658	9.8634E-06	0.00833181
844.759986	438.665903	9.90008E-06	0.00836319
844.799986	398.87117	9.00197E-06	0.007604861
844.839986	352.488802	7.95518E-06	0.006720855
844.879986	351.428178	7.93124E-06	0.00670095
844.919986	395.67976	8.92994E-06	0.007545086
844.959986	440.492741	9.94131E-06	0.008400007
844.999986	565.303618	1.27581E-05	0.010780607
845.039986	729.802692	1.64706E-05	0.013918341
845.079986	873.351095	1.97103E-05	0.016656795
845.119986	1051.682096	2.3735E-05	0.020058923
845.159986	1259.741525	2.84306E-05	0.024028415
845.199986	1359.757909	3.06878E-05	0.025937364
845.239986	1278.228045	2.88478E-05	0.024383337
845.279986	1114.478812	2.51522E-05	0.02126068
845.319986	948.351949	2.1403E-05	0.018092369
845.359986	773.364555	1.74538E-05	0.014754711
845.399986	628.044859	1.41741E-05	0.011982782
845.439986	537.665765	1.21344E-05	0.010258879
845.479986	465.200895	1.04989E-05	0.00887664
845.519986	407.46389	9.19589E-06	0.007775311

845.559986	360.910102	8.14524E-06	0.006887288
845.599986	326.00229	7.35742E-06	0.006221432
845.639986	329.849275	7.44424E-06	0.006295146
845.679986	357.305301	8.06388E-06	0.006819464
845.719986	360.519969	8.13643E-06	0.006881144
845.759986	353.312756	7.97378E-06	0.006743901
845.799986	334.519794	7.54965E-06	0.00638549
845.839986	324.869671	7.33186E-06	0.006201577
845.879986	320.743365	7.23873E-06	0.006123098
845.919986	321.317017	7.25168E-06	0.006134339
845.959986	338.056788	7.62947E-06	0.006454227
845.999986	398.720071	8.99856E-06	0.007612779
846.039986	497.66197	1.12315E-05	0.00950233
846.079986	694.552555	1.56751E-05	0.013262375
846.119986	892.093596	2.01333E-05	0.017035196
846.159986	999.529669	2.2558E-05	0.019087671
846.199986	1074.322705	2.4246E-05	0.020516937
846.239986	1138.669194	2.56982E-05	0.021746826
846.279986	1102.880387	2.48905E-05	0.02106431
846.319986	951.681432	2.14781E-05	0.018177366
846.359986	773.750617	1.74625E-05	0.014779539
846.399986	623.519039	1.4072E-05	0.011910504
846.439986	503.448551	1.13621E-05	0.009617363
846.479986	411.642814	9.2902E-06	0.007863973
846.519986	346.941067	7.82998E-06	0.006628232
846.559986	303.822141	6.85684E-06	0.005804729
846.599986	317.625409	7.16836E-06	0.006068736
846.639986	368.722966	8.32156E-06	0.007045369
846.679986	410.526043	9.265E-06	0.007844491
846.719986	441.503635	9.96412E-06	0.008436821
846.759986	446.676979	1.00809E-05	0.008536083
846.799986	421.012782	9.50167E-06	0.008046016
846.839986	389.152894	8.78264E-06	0.00743749
846.879986	395.930756	8.93561E-06	0.007567386
846.919986	449.18322	1.01374E-05	0.0085856
846.959986	518.403333	1.16996E-05	0.009909128
846.999986	631.042831	1.42418E-05	0.012062769
847.039986	762.835469	1.72161E-05	0.014582754
847.079986	927.974198	2.09431E-05	0.017740468
847.119986	1182.413309	2.66854E-05	0.022605754
847.159986	1410.177933	3.18258E-05	0.026961503
847.199986	1507.082951	3.40128E-05	0.028815612
847.239986	1422.922384	3.21134E-05	0.027207736
847.279986	1239.685449	2.7978E-05	0.023705177
847.319986	1078.292718	2.43356E-05	0.02062001
847.359986	909.910922	2.05354E-05	0.017400895

847.399986	717.361949	1.61899E-05	0.013719287
847.439986	557.606609	1.25844E-05	0.010664528
847.479986	439.752054	9.92459E-06	0.008410893
847.519986	373.954003	8.43962E-06	0.007152747
847.559986	334.047929	7.539E-06	0.006389752
847.599986	314.136882	7.08963E-06	0.006009172
847.639986	328.755765	7.41956E-06	0.006289115
847.679986	355.716822	8.02803E-06	0.006805203
847.719986	361.853673	8.16653E-06	0.006922934
847.759986	355.300492	8.01864E-06	0.00679788
847.799986	327.200642	7.38446E-06	0.006260547
847.839986	319.533802	7.21143E-06	0.006114141
847.879986	310.482014	7.00715E-06	0.005941219
847.919986	311.759324	7.03597E-06	0.005965943
847.959986	321.43809	7.25441E-06	0.006151449
847.999986	397.917485	8.98044E-06	0.007615416
848.039986	541.718374	1.22258E-05	0.010367992
848.079986	726.953628	1.64063E-05	0.013913881
848.119986	947.923218	2.13933E-05	0.018144091
848.159986	1120.73064	2.52933E-05	0.02145279
848.199986	1215.246655	2.74264E-05	0.023263093
848.239986	1178.330469	2.65933E-05	0.022557481
848.279986	1018.664087	2.29898E-05	0.019501812
848.319986	836.371514	1.88757E-05	0.016012668
848.359986	663.651037	1.49777E-05	0.012706464
848.399986	500.672048	1.12995E-05	0.009586471
848.439986	422.428083	9.53361E-06	0.008088699
848.479986	377.808435	8.52661E-06	0.007234658
848.519986	341.404686	7.70503E-06	0.00653787
848.559986	321.452045	7.25472E-06	0.006156069
848.599986	358.178997	8.0836E-06	0.006859744
848.639986	411.228868	9.28086E-06	0.007876111
848.679986	441.233689	9.95803E-06	0.008451181
848.719985	464.051222	1.0473E-05	0.008888636
848.759985	464.205496	1.04765E-05	0.00889201
848.799985	434.366385	9.80304E-06	0.008320824
848.839985	407.960921	9.20711E-06	0.007815363
848.879985	382.433798	8.631E-06	0.007326682
848.919985	404.357403	9.12578E-06	0.00774706
848.959985	453.580915	1.02367E-05	0.00869054
848.999985	550.439481	1.24227E-05	0.010546832
849.039985	710.522647	1.60355E-05	0.013614786
849.079985	893.81589	2.01722E-05	0.017127794
849.119985	1097.830893	2.47765E-05	0.021038233
849.159985	1343.411391	3.03189E-05	0.025745617
849.199985	1497.819111	3.38037E-05	0.028706094

849.239985	1461.895897	3.2993E-05	0.028018936
849.279985	1286.150846	2.90266E-05	0.024651739
849.319985	1107.401763	2.49925E-05	0.021226643
849.359985	910.097739	2.05396E-05	0.017445547
849.399985	705.082702	1.59127E-05	0.013516276
849.439985	576.664914	1.30145E-05	0.011055057
849.479985	521.818954	1.17767E-05	0.010004094
849.519985	442.860211	9.99474E-06	0.00849073
849.559985	391.785827	8.84206E-06	0.007511861
849.599985	380.943028	8.59735E-06	0.007304311
849.639985	397.567322	8.97254E-06	0.007623429
849.679985	415.116551	9.3686E-06	0.007960314
849.719985	418.896235	9.4539E-06	0.008033172
849.759985	397.41658	8.96914E-06	0.007621615
849.799985	368.32825	8.31266E-06	0.007064095
849.839985	331.087477	7.47218E-06	0.00635016
849.879985	307.305455	6.93546E-06	0.005894305
849.919985	325.980659	7.35693E-06	0.006252801
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849.999985	423.307222	9.55345E-06	0.008120436
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850.079985	664.277495	1.49918E-05	0.012744244
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850.199985	958.425145	2.16303E-05	0.018390098
850.239985	953.691677	2.15235E-05	0.018300134
850.279985	907.362277	2.04779E-05	0.017411951
850.319985	812.327214	1.83331E-05	0.015588996
850.359985	679.435094	1.53339E-05	0.013039338
850.399985	564.221653	1.27337E-05	0.010828736
850.439985	488.714687	1.10296E-05	0.009380021
850.479985	434.809963	9.81306E-06	0.008345807
850.519985	386.288518	8.71799E-06	0.007414828
850.559985	362.395297	8.17876E-06	0.006956523
850.599985	384.309235	8.67332E-06	0.007377529
850.639985	418.534138	9.44573E-06	0.008034918
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850.719985	430.608557	9.71824E-06	0.008267497
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850.839985	363.209942	8.19714E-06	0.006974457
850.879985	361.339131	8.15492E-06	0.006938859
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851.039985	723.84579	1.63362E-05	0.013902752

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851.239985	1533.151289	3.46011E-05	0.029453831
851.279985	1395.083869	3.14851E-05	0.026802635
851.319985	1208.810347	2.72812E-05	0.023225002
851.359985	988.251003	2.23034E-05	0.018988264
851.399985	772.390956	1.74318E-05	0.014841424
851.439985	577.818606	1.30406E-05	0.011103255
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851.599985	365.078772	8.23932E-06	0.007016604
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851.679985	332.803418	7.51091E-06	0.006396891
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851.759985	324.996981	7.33473E-06	0.006247429
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851.879985	277.788097	6.26929E-06	0.005340683
851.919985	268.719102	6.06462E-06	0.005166567
851.959985	278.042464	6.27503E-06	0.005346075
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852.319985	942.08863	2.12616E-05	0.018121711
852.359985	756.669366	1.7077E-05	0.014555729
852.399985	645.549924	1.45692E-05	0.012418754
852.439985	570.148659	1.28675E-05	0.010968738
852.479985	521.898969	1.17785E-05	0.010040963
852.519985	464.45701	1.04821E-05	0.00893624
852.559985	436.910445	9.86046E-06	0.008406634
852.599985	438.508007	9.89651E-06	0.008437768
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852.679985	437.552731	9.87496E-06	0.008420177
852.719985	417.273466	9.41728E-06	0.008030304
852.759985	416.312883	9.3956E-06	0.008012193
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852.879985	330.239497	7.45305E-06	0.006356553

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853.319985	1097.347596	2.47656E-05	0.021132987
853.359985	939.585	2.12051E-05	0.018095605
853.399985	744.932208	1.68121E-05	0.014347431
853.439985	582.006039	1.31351E-05	0.01120999
853.479985	482.549654	1.08905E-05	0.009294801
853.519985	428.348287	9.66722E-06	0.008251169
853.559985	406.372302	9.17126E-06	0.007828218
853.599985	397.290155	8.96629E-06	0.007653621
853.639985	380.87555	8.59583E-06	0.007337745
853.679985	353.854228	7.986E-06	0.006817486
853.719985	328.114131	7.40508E-06	0.006321864
853.759985	310.509362	7.00776E-06	0.005982948
853.799985	279.298081	6.30337E-06	0.005381816
853.839985	273.200072	6.16575E-06	0.00526456
853.879985	282.633093	6.37864E-06	0.005446589
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854.279985	909.45649	2.05252E-05	0.017534239
854.319985	783.600504	1.76848E-05	0.015108454
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854.439985	479.840948	1.08293E-05	0.009253023
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854.639985	353.443257	7.97672E-06	0.006817226
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854.879985	317.425235	7.16385E-06	0.006124228
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855.119985	977.210254	2.20543E-05	0.018859051
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855.199985	1194.44313	2.69569E-05	0.023053556
855.239985	1170.091296	2.64073E-05	0.022584605
855.279985	1054.189213	2.37916E-05	0.020348464
855.319985	935.158894	2.11052E-05	0.018051728
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855.399985	668.693523	1.50915E-05	0.012909253
855.439985	547.113428	1.23476E-05	0.01056262
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855.679985	377.185729	8.51256E-06	0.007284024
855.719985	378.277118	8.53719E-06	0.007305442
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855.799985	350.678746	7.91433E-06	0.006773084
855.839985	313.102352	7.06628E-06	0.006047608
855.879985	297.38662	6.7116E-06	0.005744326
855.919985	296.144104	6.68356E-06	0.005720593
855.959985	335.579175	7.57355E-06	0.00648266
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856.199985	958.534463	2.16328E-05	0.018521993
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856.319985	747.560924	1.68714E-05	0.014447325
856.359985	652.495155	1.47259E-05	0.012610677
856.399985	561.16268	1.26647E-05	0.010846015
856.439985	488.743712	1.10303E-05	0.00944676
856.479985	452.17919	1.02051E-05	0.008740425
856.519985	450.16605	1.01596E-05	0.008701918
856.559985	439.107048	9.91003E-06	0.008488539

856.599985	410.81868	9.27161E-06	0.007942057
856.639985	408.652844	9.22273E-06	0.007900555
856.679985	397.230728	8.96494E-06	0.007680088
856.719985	377.65817	8.52322E-06	0.007302012
856.759985	381.445274	8.60869E-06	0.00737558
856.799985	396.761724	8.95436E-06	0.007672095
856.839985	390.609194	8.81551E-06	0.007553478
856.879985	360.040418	8.12561E-06	0.006962673
856.919985	370.190105	8.35468E-06	0.007159288
856.959985	430.583428	9.71767E-06	0.008327653
856.999985	493.767075	1.11436E-05	0.009550095
857.039985	579.141784	1.30704E-05	0.011201875
857.079985	715.74836	1.61534E-05	0.013844793
857.119985	911.513935	2.05716E-05	0.017632329
857.159985	1079.012616	2.43518E-05	0.020873399
857.199985	1137.56006	2.56731E-05	0.02200702
857.239985	1125.118954	2.53924E-05	0.021767353
857.279985	1031.950449	2.32897E-05	0.01996578
857.319985	880.23233	1.98656E-05	0.017031191
857.359985	742.502198	1.67572E-05	0.014366987
857.399985	616.710055	1.39183E-05	0.011933539
857.439985	511.773939	1.155E-05	0.009903453
857.479985	430.05752	9.7058E-06	0.008322529
857.519985	379.58536	8.56671E-06	0.007346127
857.559985	346.031098	7.80944E-06	0.006697063
857.599985	318.110691	7.17932E-06	0.006156981
857.639985	346.243835	7.81424E-06	0.006701806
857.679985	376.848436	8.50494E-06	0.00729452
857.719985	374.017776	8.44106E-06	0.007240066
857.759985	343.891025	7.76114E-06	0.006657197
857.799985	314.596363	7.1E-06	0.006090381
857.839985	333.58305	7.5285E-06	0.006458252
857.879985	332.853565	7.51204E-06	0.00644443
857.919985	328.977346	7.42456E-06	0.006369679
857.959985	350.782402	7.91667E-06	0.006792186
857.999985	390.485147	8.81271E-06	0.007561302
858.039985	484.909991	1.09437E-05	0.009390169
858.079985	608.39077	1.37305E-05	0.011781895
858.119985	734.318843	1.65726E-05	0.014221239
858.159985	849.155746	1.91643E-05	0.016446003
858.199985	922.96917	2.08301E-05	0.017876416
858.239985	910.605983	2.05511E-05	0.017637783
858.279985	818.259949	1.8467E-05	0.015849846
858.319985	721.571073	1.62849E-05	0.013977616
858.359985	640.06329	1.44453E-05	0.012399299
858.399985	560.842808	1.26574E-05	0.010865147

858.439985	460.08899	1.03836E-05	0.00891367
858.479985	389.607967	8.79291E-06	0.007548537
858.519985	344.939072	7.78479E-06	0.006683402
858.559985	321.667222	7.25958E-06	0.006232786
858.599985	309.499172	6.98497E-06	0.005997291
858.639985	338.318641	7.63538E-06	0.006556043
858.679985	379.332873	8.56101E-06	0.007351172
858.719985	395.931075	8.93561E-06	0.007673189
858.759985	378.354341	8.53893E-06	0.007332892
858.799985	344.558287	7.7762E-06	0.006678201
858.839985	337.935425	7.62673E-06	0.006550142
858.879985	330.294559	7.45429E-06	0.006402339
858.919985	331.542379	7.48245E-06	0.006426826
858.959985	378.83156	8.5497E-06	0.007343851
858.999985	508.20196	1.14694E-05	0.009852223
859.039985	671.115073	1.51461E-05	0.013011133
859.079985	846.42996	1.91027E-05	0.016410786
859.119985	984.817016	2.22259E-05	0.019094756
859.159985	1093.200224	2.4672E-05	0.021197201
859.199985	1153.84589	2.60407E-05	0.022374164
859.239985	1128.498361	2.54686E-05	0.021883671
859.279985	1042.301918	2.35233E-05	0.020213103
859.319985	908.336403	2.04999E-05	0.017615963
859.359985	738.374087	1.66641E-05	0.014320439
859.399985	576.08028	1.30013E-05	0.011173342
859.439985	420.964652	9.50059E-06	0.008165183
859.479985	326.334872	7.36492E-06	0.006330004
859.519985	288.448109	6.50987E-06	0.005595365
859.559985	296.661389	6.69523E-06	0.005754956
859.599985	342.033555	7.71922E-06	0.006635442
859.639985	371.928104	8.3939E-06	0.007215731
859.679985	390.09315	8.80386E-06	0.007568501
859.719985	404.514972	9.12934E-06	0.007848676
859.759985	373.028016	8.41872E-06	0.007238081
859.799985	344.09253	7.76569E-06	0.006676939
859.839985	318.242783	7.1823E-06	0.006175626
859.879985	320.85365	7.24122E-06	0.00622658
859.919985	332.442613	7.50277E-06	0.006451779
859.959985	354.536393	8.00139E-06	0.006880877
859.999985	404.533508	9.12976E-06	0.007851592
860.039985	484.822054	1.09418E-05	0.00941035
860.079985	604.233651	1.36367E-05	0.011728663
860.119985	758.028376	1.71076E-05	0.014714627
860.159985	909.324778	2.05222E-05	0.01765237
860.199985	966.616575	2.18152E-05	0.018765426
860.239985	939.673939	2.12071E-05	0.018243223

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860.319985	799.978505	1.80544E-05	0.015532562
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860.399985	570.92032	1.28849E-05	0.011086147
860.439985	475.311694	1.07271E-05	0.009230045
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860.559985	354.225587	7.99438E-06	0.006879642
860.599985	358.801948	8.09766E-06	0.006968846
860.639985	323.372051	7.29806E-06	0.006280999
860.679985	344.802189	7.78171E-06	0.006697558
860.719985	390.452349	8.81197E-06	0.007584635
860.759985	427.354063	9.64479E-06	0.008301846
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860.879985	369.720617	8.34408E-06	0.007183251
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861.119985	979.944555	2.2116E-05	0.019044516
861.159985	1123.018826	2.5345E-05	0.021826075
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861.399985	512.44926	1.15653E-05	0.00996232
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861.519985	360.448534	8.13482E-06	0.007008311
861.559985	356.569921	8.04729E-06	0.00693322
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861.679985	380.508797	8.58755E-06	0.007399723
861.719985	356.058333	8.03574E-06	0.006924558
861.759985	349.604546	7.89009E-06	0.006799362
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862.159985	880.414415	1.98697E-05	0.017130884
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862.239985	890.982295	2.01082E-05	0.017338119
862.279985	834.081343	1.88241E-05	0.016231605
862.319985	760.184341	1.71563E-05	0.014794222
862.359985	648.396173	1.46334E-05	0.012619257
862.399985	527.997439	1.19162E-05	0.010276502
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862.839985	373.689294	8.43365E-06	0.007276888
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863.079985	846.240486	1.90985E-05	0.016483506
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863.359985	800.402855	1.8064E-05	0.015595715
863.399985	587.882291	1.32677E-05	0.011455319
863.439985	430.217845	9.70942E-06	0.008383499
863.479985	380.942526	8.59734E-06	0.007423633
863.519985	373.350538	8.426E-06	0.007276021
863.559985	361.395334	8.15619E-06	0.007043359
863.599985	336.562231	7.59574E-06	0.006559682
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863.839985	311.418016	7.02827E-06	0.006071301
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864.279985	857.574097	1.93543E-05	0.016727493
864.319985	757.703291	1.71003E-05	0.014780138
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864.399985	512.677427	1.15704E-05	0.010001467
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864.479985	342.115958	7.72108E-06	0.00667472
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865.239985	1142.88091	2.57932E-05	0.022317334
865.279985	1026.531263	2.31674E-05	0.020046271
865.319985	912.804839	2.06007E-05	0.017826227
865.359985	784.758518	1.77109E-05	0.01532631
865.399985	611.502396	1.38008E-05	0.011943175
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865.599985	333.287059	7.52182E-06	0.006510891
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865.679985	372.67229	8.41069E-06	0.00728097
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865.759985	355.458763	8.02221E-06	0.006945308

865.799985	338.071558	7.6298E-06	0.006605884
865.839985	310.203928	7.00087E-06	0.006061634
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865.919985	296.127533	6.68319E-06	0.005787104
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866.119985	800.586124	1.80681E-05	0.015649154
866.159985	924.602684	2.0867E-05	0.018074156
866.199985	945.575981	2.13403E-05	0.018484996
866.239985	946.377166	2.13584E-05	0.018501513
866.279985	911.467331	2.05705E-05	0.017819854
866.319985	827.182718	1.86684E-05	0.016172775
866.359985	675.017214	1.52342E-05	0.0131983
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866.439985	401.713213	9.06611E-06	0.007855238
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866.519985	354.559128	8.00191E-06	0.006933811
866.559985	333.192789	7.5197E-06	0.006516269
866.599985	330.108748	7.45009E-06	0.006456252
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866.679985	386.433153	8.72126E-06	0.00755854
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866.799985	392.529855	8.85885E-06	0.007678853
866.839985	369.86853	8.34742E-06	0.007235875
866.879985	346.605402	7.8224E-06	0.006781083
866.919985	345.016523	7.78654E-06	0.006750309
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867.079985	902.257433	2.03627E-05	0.017656084
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867.199985	1546.266955	3.48971E-05	0.030262757
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867.279985	1357.01839	3.0626E-05	0.02656133
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867.359985	885.92831	1.99942E-05	0.017342141
867.399985	651.721683	1.47085E-05	0.01275811
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867.519985	392.663659	8.86187E-06	0.007687851
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867.639985	387.985319	8.75629E-06	0.007597306
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867.759985	348.472294	7.86453E-06	0.006824528
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867.839985	268.777261	6.06593E-06	0.005264255
867.879985	251.103148	5.66705E-06	0.004918318
867.919985	263.618976	5.94951E-06	0.005163701
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868.079985	712.916429	1.60895E-05	0.013967
868.119985	828.385358	1.86955E-05	0.01622994
868.159985	922.924784	2.08291E-05	0.018083014
868.199985	1019.549098	2.30098E-05	0.019977111
868.239985	1089.963074	2.45989E-05	0.021357791
868.279985	1047.072014	2.3631E-05	0.020518287
868.319985	894.089768	2.01784E-05	0.017521274
868.359985	719.277601	1.62331E-05	0.014096169
868.399985	563.197466	1.27106E-05	0.01103787
868.439985	459.072864	1.03606E-05	0.00899759
868.479985	408.02521	9.20856E-06	0.007997451
868.519985	397.08096	8.96156E-06	0.007783298
868.559985	391.57316	8.83726E-06	0.007675691
868.599985	385.299127	8.69566E-06	0.007553054
868.639985	382.873258	8.64092E-06	0.007505845
868.679985	394.861444	8.91147E-06	0.007741218
868.719985	401.033393	9.05077E-06	0.007862581
868.759985	367.933465	8.30375E-06	0.007213962
868.799985	344.165948	7.76735E-06	0.00674827
868.839985	331.465955	7.48072E-06	0.006499553
868.879985	344.00019	7.76361E-06	0.006745641
868.919985	365.872346	8.25723E-06	0.007174871
868.959985	402.865474	9.09211E-06	0.007900682
868.999985	469.505039	1.05961E-05	0.009207989
869.039985	611.346099	1.37972E-05	0.011990344
869.079985	808.968978	1.82573E-05	0.015867057
869.119985	950.774101	2.14576E-05	0.01864927
869.159985	1110.935682	2.50723E-05	0.021791815
869.199985	1239.619431	2.79765E-05	0.024317159
869.239985	1256.509007	2.83577E-05	0.02464961
869.279985	1174.484826	2.65065E-05	0.023041558
869.319985	1032.703122	2.33067E-05	0.020260955
869.359985	822.558313	1.8564E-05	0.016138795
869.399985	631.035385	1.42416E-05	0.012381638
869.439985	501.938623	1.13281E-05	0.009849064

869.479985	404.653236	9.13246E-06	0.007940491
869.519985	343.207011	7.7457E-06	0.006735045
869.559985	322.658799	7.28196E-06	0.006332101
869.599985	339.543896	7.66303E-06	0.006663773
869.639985	347.158557	7.83489E-06	0.006813529
869.679985	343.800645	7.7591E-06	0.006747935
869.719985	363.566351	8.20519E-06	0.007136214
869.759985	357.360769	8.06513E-06	0.007014732
869.799985	335.497791	7.57172E-06	0.00658588
869.839985	304.870252	6.8805E-06	0.005984931
869.879985	287.765692	6.49447E-06	0.00564941
869.919985	291.531276	6.57945E-06	0.005723599
869.959985	314.20894	7.09126E-06	0.006169111
869.999985	370.706187	8.36632E-06	0.0072787
870.039985	448.265117	1.01167E-05	0.00880195
870.079985	537.873342	1.21391E-05	0.010561946
870.119985	689.378369	1.55583E-05	0.013537596
870.159985	870.873192	1.96544E-05	0.017102468
870.199985	929.654657	2.0981E-05	0.018257675
870.239985	910.151704	2.05409E-05	0.017875474
870.279985	860.459705	1.94194E-05	0.016900295
870.319985	707.054282	1.59572E-05	0.013887896
870.359985	544.470646	1.22879E-05	0.010694935
870.399985	457.77461	1.03313E-05	0.008992394
870.439985	407.62848	9.19961E-06	0.008007706
870.479985	365.836154	8.25641E-06	0.007187042
870.519985	343.938188	7.76221E-06	0.006757155
870.559985	348.248491	7.85948E-06	0.006842152
870.599985	378.466994	8.54147E-06	0.007436206
870.639985	393.274499	8.87566E-06	0.007727502
870.679985	388.367073	8.7649E-06	0.007631426
870.719985	366.406963	8.26929E-06	0.00720024
870.759985	346.719717	7.82498E-06	0.00681368
870.799985	327.748787	7.39683E-06	0.006441163
870.839985	305.285543	6.88987E-06	0.005999974
870.879985	310.868296	7.01586E-06	0.006109976
870.919985	342.850875	7.73767E-06	0.006738889
870.959985	393.059066	8.8708E-06	0.007726108
870.999985	453.042985	1.02245E-05	0.008905582
871.039985	562.232272	1.26888E-05	0.011052452
871.079985	745.562241	1.68263E-05	0.014657054
871.119985	941.86134	2.12565E-05	0.018516961
871.159985	1079.777041	2.43691E-05	0.021229353
871.199985	1188.417499	2.68209E-05	0.023366392
871.239985	1197.252871	2.70203E-05	0.023541192
871.279985	1084.278041	2.44706E-05	0.021320783

871.319985	902.876225	2.03767E-05	0.01775459
871.359985	744.983249	1.68132E-05	0.01465038
871.399985	604.958738	1.36531E-05	0.01189729
871.439985	478.070817	1.07894E-05	0.009402308
871.479985	380.606513	8.58976E-06	0.007485803
871.519985	307.014258	6.92888E-06	0.006038661
871.559985	311.646282	7.03342E-06	0.00613005
871.599985	324.367138	7.32051E-06	0.00638056
871.639985	325.81077	7.3531E-06	0.006409252
871.679985	344.83847	7.78252E-06	0.00678387
871.719985	355.219071	8.0168E-06	0.006988404
871.759985	352.326648	7.95152E-06	0.006931818
871.799985	322.712018	7.28316E-06	0.006349459
871.839985	284.934629	6.43058E-06	0.005606435
871.879985	292.805162	6.6082E-06	0.005761561
871.919985	308.595321	6.96457E-06	0.006072545
871.959985	329.556234	7.43763E-06	0.006485312
871.999985	395.251872	8.92028E-06	0.007778488
872.039985	449.769467	1.01507E-05	0.00885179
872.079985	561.166677	1.26648E-05	0.011044675
872.119985	684.85228	1.54562E-05	0.013479628
872.159985	780.455111	1.76138E-05	0.015362038
872.199985	870.518792	1.96464E-05	0.017135587
872.239985	904.020716	2.04025E-05	0.017795866
872.279985	852.089101	1.92305E-05	0.016774349
872.319985	789.165143	1.78104E-05	0.015536331
872.359985	724.574969	1.63526E-05	0.014265396
872.399985	596.078132	1.34527E-05	0.011736094
872.439985	502.25557	1.13352E-05	0.009889289
872.479985	482.33608	1.08857E-05	0.009497515
872.519985	514.742593	1.1617E-05	0.010136085
872.559985	529.137007	1.19419E-05	0.010420011
872.599985	504.771324	1.1392E-05	0.009940647
872.639985	463.960942	1.0471E-05	0.009137372
872.679985	420.832519	9.4976E-06	0.008288369
872.719985	408.549495	9.22039E-06	0.008046821
872.759985	408.086498	9.20994E-06	0.00803807
872.799985	414.171998	9.34729E-06	0.00815831
872.839985	394.746741	8.90888E-06	0.00777603
872.879985	378.313886	8.53802E-06	0.007452665
872.919985	410.523124	9.26494E-06	0.008087547
872.959985	432.967844	9.77148E-06	0.008530112
872.999985	471.603308	1.06434E-05	0.009291714
873.039985	547.323671	1.23523E-05	0.010784081
873.079985	693.946338	1.56614E-05	0.013673657
873.119985	904.547437	2.04144E-05	0.017824199

873.159985	1053.593472	2.37781E-05	0.020762118
873.199985	1144.191359	2.58228E-05	0.022548473
873.239985	1110.133148	2.50542E-05	0.021878293
873.279985	1014.961554	2.29063E-05	0.020003586
873.319985	897.503975	2.02554E-05	0.017689458
873.359985	732.902412	1.65406E-05	0.014445886
873.399985	578.575765	1.30576E-05	0.011404551
873.439985	482.859439	1.08975E-05	0.009518282
873.479985	434.576871	9.80779E-06	0.008566912
873.519985	412.379967	9.30684E-06	0.008129712
873.559985	403.826874	9.11381E-06	0.00796146
873.599985	421.791199	9.51924E-06	0.008316008
873.639985	437.924477	9.88335E-06	0.008634486
873.679985	426.300772	9.62101E-06	0.008405688
873.719985	402.198657	9.07706E-06	0.007930812
873.759985	367.589178	8.29598E-06	0.007248692
873.799985	325.317987	7.34197E-06	0.006415417
873.839985	289.530202	6.53429E-06	0.005709927
873.879985	324.575687	7.32522E-06	0.006401364
873.919985	360.665145	8.13971E-06	0.007113455
873.959985	369.596964	8.34129E-06	0.007289953
873.999985	409.239917	9.23597E-06	0.008072242
874.039985	473.485216	1.06859E-05	0.009339905
874.079985	573.743994	1.29486E-05	0.011318115
874.119985	726.317656	1.6392E-05	0.014328555
874.159985	869.246556	1.96177E-05	0.017148994
874.199985	929.985942	2.09885E-05	0.018348135
874.239985	930.810509	2.10071E-05	0.018365244
874.279985	892.361112	2.01393E-05	0.017607428
874.319985	830.105868	1.87343E-05	0.016379802
874.359985	727.825428	1.6426E-05	0.014362242
874.399985	578.911416	1.30652E-05	0.011424232
874.439985	474.184357	1.07017E-05	0.009357977
874.479985	400.692882	9.04308E-06	0.007907993
874.519985	346.647834	7.82336E-06	0.006841684
874.559985	318.868463	7.19642E-06	0.006293698
874.599985	308.627253	6.96529E-06	0.00609184
874.639985	342.137652	7.72157E-06	0.006753594
874.679985	384.741623	8.68308E-06	0.007594918
874.719985	409.109666	9.23304E-06	0.008076321
874.759985	428.807297	9.67758E-06	0.008465563
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874.839985	415.761997	9.38317E-06	0.008208772
874.879985	374.659559	8.45554E-06	0.007397587
874.919985	347.778839	7.84888E-06	0.006867145
874.959985	386.348044	8.71934E-06	0.007629071

874.999985	465.436569	1.05043E-05	0.009191223
875.039985	573.988278	1.29541E-05	0.011335369
875.079985	715.370808	1.61449E-05	0.014128099
875.119985	853.706101	1.9267E-05	0.0168609
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875.199985	1100.473817	2.48362E-05	0.021736608
875.239985	1104.839509	2.49347E-05	0.021823837
875.279985	980.024909	2.21178E-05	0.019359265
875.319985	819.809259	1.8502E-05	0.016195129
875.359985	670.34749	1.51288E-05	0.013243154
875.399985	528.568628	1.19291E-05	0.010442697
875.439985	413.073255	9.32249E-06	0.008161279
875.479985	323.636696	7.30403E-06	0.006394532
875.519985	282.084883	6.36626E-06	0.00557379
875.559985	314.05959	7.08789E-06	0.006205871
875.599985	322.643133	7.28161E-06	0.006375774
875.639985	338.758371	7.6453E-06	0.006694534
875.679985	368.663538	8.32022E-06	0.007285852
875.719985	365.190261	8.24184E-06	0.00721754
875.759985	341.094499	7.69803E-06	0.006741625
875.799985	317.485415	7.1652E-06	0.006275285
875.839985	287.209612	6.48192E-06	0.005677125
875.879985	272.726128	6.15505E-06	0.005391084
875.919985	276.886064	6.24893E-06	0.005473565
875.959985	312.087233	7.04337E-06	0.006169714
875.999985	406.564674	9.1756E-06	0.008037824
876.039985	527.431884	1.19034E-05	0.010427857
876.079985	650.178427	1.46736E-05	0.012855266
876.119985	771.234801	1.74057E-05	0.015249477
876.159985	870.636192	1.9649E-05	0.017215708
876.199985	898.594538	2.028E-05	0.017769359
876.239985	868.181336	1.95936E-05	0.017168734
876.279985	825.158907	1.86227E-05	0.016318688
876.319985	734.855377	1.65847E-05	0.014533471
876.359985	596.950988	1.34724E-05	0.01180663
876.399985	510.288637	1.15165E-05	0.010093064
876.439985	478.285937	1.07942E-05	0.00946051
876.479985	460.539147	1.03937E-05	0.009109894
876.519985	420.495854	9.49001E-06	0.00831818
876.559985	384.824869	8.68496E-06	0.00761289
876.599985	372.956272	8.4171E-06	0.007378433
876.639985	390.238269	8.80713E-06	0.007720686
876.679985	428.037847	9.66022E-06	0.00846892
876.719985	447.613322	1.0102E-05	0.008856633
876.759985	441.029148	9.95341E-06	0.008726755
876.799985	423.602233	9.56011E-06	0.008382306

876.839985	406.293394	9.16948E-06	0.008040163
876.879985	378.430215	8.54064E-06	0.007489119
876.919985	363.916905	8.2131E-06	0.007202229
876.959985	404.155637	9.12123E-06	0.007998954
876.999985	508.588766	1.14781E-05	0.010066329
877.039985	635.484519	1.4342E-05	0.012578508
877.079985	791.500097	1.78631E-05	0.015667328
877.119985	967.351184	2.18318E-05	0.019149081
877.159985	1123.065137	2.5346E-05	0.022232511
877.199985	1218.407849	2.74978E-05	0.024121042
877.239985	1226.256826	2.76749E-05	0.024277536
877.279985	1155.452697	2.6077E-05	0.022876793
877.319985	1028.94322	2.32218E-05	0.020372963
877.359985	912.654326	2.05973E-05	0.018071279
877.399985	781.558092	1.76387E-05	0.015476175
877.439985	626.18818	1.41322E-05	0.012400153
877.479985	527.469479	1.19043E-05	0.010445742
877.519985	507.680329	1.14576E-05	0.010054306
877.559985	468.546229	1.05744E-05	0.009279702
877.599985	414.528354	9.35533E-06	0.008210235
877.639985	389.703835	8.79507E-06	0.007718908
877.679985	346.346431	7.81656E-06	0.006860435
877.719985	332.741563	7.50951E-06	0.00659125
877.759985	342.165047	7.72219E-06	0.006778228
877.799985	318.348084	7.18467E-06	0.006306706
877.839985	306.047519	6.90707E-06	0.006063299
877.879985	292.398555	6.59903E-06	0.005793155
877.919985	297.364248	6.7111E-06	0.005891806
877.959985	322.631027	7.28133E-06	0.006392719
877.999985	381.200489	8.60316E-06	0.007553578
878.039985	487.366829	1.09992E-05	0.009657729
878.079985	577.096659	1.30243E-05	0.011436349
878.119985	675.163471	1.52375E-05	0.013380352
878.159985	798.96489	1.80315E-05	0.015834563
878.199985	847.958569	1.91372E-05	0.016806327
878.239985	838.062684	1.89139E-05	0.01661095
878.279985	814.106107	1.83732E-05	0.01613685
878.319985	742.009092	1.67461E-05	0.014708445
878.359985	656.432322	1.48148E-05	0.013012695
878.399985	575.024087	1.29775E-05	0.011399429
878.439985	493.870264	1.1146E-05	0.00979106
878.479985	445.344727	1.00508E-05	0.008829436
878.519985	437.762771	9.8797E-06	0.00867951
878.559985	433.220431	9.77718E-06	0.008589841
878.599985	412.595852	9.31171E-06	0.008181272
878.639985	387.096548	8.73623E-06	0.007676001

878.679985	386.496911	8.7227E-06	0.007664459
878.719985	406.814009	9.18123E-06	0.008067726
878.759985	424.698022	9.58484E-06	0.008422776
878.799985	405.164569	9.144E-06	0.008035747
878.839985	381.18851	8.60289E-06	0.007560567
878.879985	371.506727	8.38439E-06	0.007368872
878.919985	357.642109	8.07148E-06	0.007094189
878.959985	416.10341	9.39087E-06	0.008254203
878.999985	568.963635	1.28407E-05	0.01128699
879.039985	733.292146	1.65494E-05	0.014547569
879.079985	866.406573	1.95536E-05	0.017189169
879.119985	979.455774	2.2105E-05	0.019432906
879.159985	1074.468511	2.42493E-05	0.021318977
879.199985	1144.743472	2.58353E-05	0.022714365
879.239985	1164.54455	2.62821E-05	0.023108316
879.279985	1083.065293	2.44433E-05	0.021492483
879.319985	918.349832	2.07259E-05	0.018224677
879.359985	745.182093	1.68177E-05	0.014788832
879.399985	579.892193	1.30874E-05	0.011509023
879.439985	442.37009	9.98368E-06	0.008780045
879.479985	376.340021	8.49347E-06	0.007469837
879.519985	361.459962	8.15765E-06	0.007174814
879.559985	340.786564	7.69108E-06	0.006764765
879.599985	315.829799	7.12784E-06	0.006269647
879.639985	328.002281	7.40255E-06	0.006511583
879.679985	338.015931	7.62855E-06	0.006710682
879.719985	337.043961	7.60661E-06	0.006691689
879.759985	334.209035	7.54263E-06	0.006635706
879.799985	313.009826	7.0642E-06	0.006215079
879.839985	308.375085	6.9596E-06	0.006123331
879.879985	309.389448	6.98249E-06	0.006143752
879.919985	314.400522	7.09558E-06	0.006243544
879.959985	348.549789	7.86628E-06	0.006922014
879.999985	409.992197	9.25295E-06	0.008142598
880.039985	492.000443	1.11038E-05	0.009771757
880.079985	589.501357	1.33042E-05	0.011708782
880.119985	710.92166	1.60445E-05	0.014121095
880.159985	839.191941	1.89394E-05	0.016669696
880.199985	893.03005	2.01544E-05	0.017739942
880.239985	899.175902	2.02931E-05	0.01786284
880.279985	876.1663	1.97739E-05	0.017406527
880.319985	798.302095	1.80166E-05	0.015860343
880.359985	669.869014	1.5118E-05	0.013309292
880.399985	512.096976	1.15573E-05	0.01017506
880.439985	414.778869	9.36098E-06	0.008241782
880.479985	372.248859	8.40114E-06	0.007397034

880.519985	312.351551	7.04934E-06	0.006207084
880.559985	296.969649	6.70219E-06	0.005901682
880.599985	330.635423	7.46198E-06	0.00657102
880.639985	370.802363	8.36849E-06	0.007369629
880.679985	419.962638	9.47797E-06	0.00834706
880.719985	412.576855	9.31128E-06	0.008200635
880.759985	362.734017	8.1864E-06	0.007210255
880.799985	337.575585	7.61861E-06	0.006710472
880.839985	341.450962	7.70607E-06	0.006787817
880.879985	354.976754	8.01133E-06	0.007057021
880.919985	360.846339	8.1438E-06	0.007174036
880.959985	391.772227	8.84175E-06	0.007789231
880.999985	473.223999	1.068E-05	0.009409086
881.039985	612.531405	1.3824E-05	0.01217948
881.079985	765.153738	1.72685E-05	0.015214889
881.119985	936.3138	2.11313E-05	0.018619209
881.159985	1068.248616	2.41089E-05	0.021243783
881.199985	1183.033805	2.66994E-05	0.023527533
881.239985	1196.932964	2.70131E-05	0.023805032
881.279985	1059.048217	2.39012E-05	0.021063687
881.319985	885.860918	1.99926E-05	0.017619919
881.359985	715.818968	1.6155E-05	0.014238403
881.399985	534.436328	1.20615E-05	0.010630991
881.439985	402.455309	9.08286E-06	0.008005992
881.479985	343.735164	7.75762E-06	0.00683819
881.519985	296.23034	6.68551E-06	0.005893407
881.559985	285.604478	6.4457E-06	0.005682267
881.599985	320.132574	7.22495E-06	0.006369513
881.639985	330.789093	7.46545E-06	0.006581838
881.679985	348.799506	7.87192E-06	0.006940513
881.719985	357.364632	8.06522E-06	0.007111267
881.759985	339.059627	7.6521E-06	0.006747319
881.799985	311.122911	7.02161E-06	0.006191656
881.839985	271.58309	6.12925E-06	0.00540502
881.879985	271.297084	6.1228E-06	0.005399572
881.919985	270.95374	6.11505E-06	0.005392983
881.959985	297.690047	6.71845E-06	0.005925404
881.999985	363.914663	8.21305E-06	0.007243907
882.039985	458.208326	1.03411E-05	0.009121285
882.079985	609.327542	1.37517E-05	0.012130076
882.119985	738.140292	1.66588E-05	0.014695059
882.159985	802.718528	1.81162E-05	0.015981421
882.199985	850.459828	1.91937E-05	0.016932676
882.239985	908.235535	2.04976E-05	0.018083812
882.279985	855.525317	1.9308E-05	0.017035075
882.319985	743.929808	1.67895E-05	0.014813676

882.359985	616.439407	1.39122E-05	0.01227555
882.399985	522.231254	1.1786E-05	0.010399994
882.439985	427.38006	9.64537E-06	0.008511463
882.479985	354.282826	7.99567E-06	0.007056019
882.519985	309.207287	6.97838E-06	0.006158558
882.559985	316.162446	7.13535E-06	0.006297371
882.599985	342.896267	7.73869E-06	0.006830169
882.639985	366.899864	8.28042E-06	0.007308629
882.679985	395.601624	8.92818E-06	0.007880724
882.719985	401.796334	9.06798E-06	0.00800449
882.759985	393.816542	8.88789E-06	0.007845874
882.799985	389.628518	8.79337E-06	0.00776279
882.839985	381.167365	8.60242E-06	0.007594557
882.879985	367.984102	8.30489E-06	0.00733222
882.919985	387.671769	8.74921E-06	0.007724854
882.959985	429.408768	9.69116E-06	0.008556905
882.999985	503.681072	1.13674E-05	0.010037397
883.039985	602.246881	1.35919E-05	0.012002168
883.079985	704.702218	1.59041E-05	0.014044634
883.119985	839.262022	1.8941E-05	0.016727153
883.159985	968.166132	2.18502E-05	0.019297188
883.199985	1051.491635	2.37307E-05	0.020958955
883.239985	1065.697361	2.40513E-05	0.021243074
883.279985	1040.387024	2.34801E-05	0.02073949
883.319985	914.699574	2.06435E-05	0.018234812
883.359985	759.240831	1.7135E-05	0.01513638
883.399985	602.507076	1.35977E-05	0.012012248
883.439985	474.298221	1.07043E-05	0.009456563
883.479985	381.644318	8.61318E-06	0.007609573
883.519985	323.566816	7.30245E-06	0.006451863
883.559985	321.258155	7.25035E-06	0.006406118
883.599985	342.788935	7.73627E-06	0.006835767
883.639985	366.272508	8.26626E-06	0.007304398
883.679985	366.953415	8.28163E-06	0.007318308
883.719985	371.898429	8.39323E-06	0.007417265
883.759985	367.297318	8.28939E-06	0.00732583
883.799985	325.750711	7.35174E-06	0.006497468
883.839985	286.503404	6.46598E-06	0.005714894
883.879985	260.070118	5.86942E-06	0.005187863
883.919985	288.547263	6.51211E-06	0.005756184
883.959985	343.265408	7.74702E-06	0.006848058
883.999985	389.133722	8.78221E-06	0.00776347
884.039985	453.380658	1.02322E-05	0.009045647
884.079985	537.145919	1.21226E-05	0.010717379
884.119985	695.71759	1.57014E-05	0.013881901
884.159985	820.885358	1.85262E-05	0.016380159

884.199985	879.142593	1.9841E-05	0.017543433
884.239985	896.929006	2.02424E-05	0.017899173
884.279985	810.060259	1.82819E-05	0.016166346
884.319985	657.155062	1.48311E-05	0.013115415
884.359985	543.106051	1.22571E-05	0.01083973
884.399985	460.706382	1.03975E-05	0.00919555
884.439985	412.536354	9.31037E-06	0.008234464
884.479985	389.684761	8.79464E-06	0.007778685
884.519985	339.739479	7.66745E-06	0.00678201
884.559985	307.336344	6.93615E-06	0.006135444
884.599985	318.462275	7.18725E-06	0.006357841
884.639985	318.175468	7.18078E-06	0.006352403
884.679985	302.951184	6.83719E-06	0.006048722
884.719985	329.895259	7.44528E-06	0.006586985
884.759985	372.446072	8.40559E-06	0.007436929
884.799985	371.83818	8.39187E-06	0.007425126
884.839985	362.232104	8.17507E-06	0.007233632
884.879985	379.308246	8.56046E-06	0.007574979
884.919985	386.529925	8.72344E-06	0.007719548
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885.119985	928.619418	2.09576E-05	0.018550032
885.159985	1056.43549	2.38423E-05	0.02110423
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885.279985	1027.600415	2.31915E-05	0.02053098
885.319985	887.261619	2.00243E-05	0.017727877
885.359985	750.661065	1.69414E-05	0.014999215
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885.559985	302.704907	6.83163E-06	0.006049816
885.599985	302.563526	6.82844E-06	0.006047264
885.639985	342.540934	7.73067E-06	0.006846592
885.679985	388.513389	8.76821E-06	0.007765825
885.719985	404.498445	9.12897E-06	0.008085708
885.759985	383.376795	8.65228E-06	0.007663844
885.799985	327.516086	7.39158E-06	0.006547463
885.839985	289.761206	6.53951E-06	0.005792957
885.879985	279.602508	6.31024E-06	0.005590115
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886.079985	541.381416	1.22182E-05	0.010826324
886.119985	688.153905	1.55307E-05	0.013762042
886.159985	781.519782	1.76378E-05	0.015629924
886.199985	816.718266	1.84322E-05	0.01633461
886.239985	835.594861	1.88582E-05	0.016712902
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886.319985	747.065384	1.68602E-05	0.014943554
886.359985	645.371744	1.45651E-05	0.012909958
886.399985	553.902041	1.25008E-05	0.011080707
886.439985	436.19072	9.84422E-06	0.008726308
886.479985	374.61122	8.45445E-06	0.007494704
886.519985	338.845572	7.64727E-06	0.00677946
886.559985	323.801474	7.30775E-06	0.006478757
886.599985	321.5508	7.25695E-06	0.006434015
886.639985	318.548968	7.18921E-06	0.006374238
886.679985	331.256686	7.476E-06	0.006628821
886.719985	356.316265	8.04156E-06	0.007130614
886.759985	360.802775	8.14282E-06	0.007220723
886.799985	341.364875	7.70413E-06	0.006832022
886.839985	352.23205	7.94939E-06	0.007049834
886.879985	348.64407	7.86841E-06	0.006978336
886.919985	337.379375	7.61418E-06	0.006753171
886.959985	398.539341	8.99448E-06	0.007977742
886.999985	495.769013	1.11888E-05	0.00992448
887.039985	635.569702	1.43439E-05	0.012723633
887.079985	780.347608	1.76114E-05	0.015622684
887.119985	915.311455	2.06573E-05	0.018325508
887.159985	1003.211503	2.26411E-05	0.020086266
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887.239985	1140.647924	2.57428E-05	0.022840072
887.279985	999.75827	2.25632E-05	0.020019833
887.319985	825.183591	1.86232E-05	0.016524777
887.359985	654.35834	1.4768E-05	0.013104493
887.399985	533.476055	1.20398E-05	0.010684129
887.439985	449.210402	1.01381E-05	0.008996914
887.479985	414.423976	9.35297E-06	0.008300575
887.519985	394.399446	8.90105E-06	0.007899856
887.559985	358.050835	8.08071E-06	0.007172114
887.599985	349.441295	7.8864E-06	0.006999971
887.639985	337.667878	7.62069E-06	0.006764432
887.679985	320.373674	7.23039E-06	0.00641827
887.719985	341.779833	7.71349E-06	0.006847423
887.759985	354.312095	7.99633E-06	0.007098822
887.799985	316.168053	7.13547E-06	0.006334872
887.839985	272.503175	6.15002E-06	0.005460231

887.879985	253.494884	5.72103E-06	0.005079585
887.919985	272.430445	6.14838E-06	0.005459266
887.959985	321.803216	7.26265E-06	0.006448943
887.999985	372.069896	8.3971E-06	0.007456624
888.039985	452.874138	1.02207E-05	0.009076424
888.079985	556.309629	1.25551E-05	0.011149963
888.119985	661.901584	1.49382E-05	0.013266911
888.159985	754.965928	1.70385E-05	0.01513294
888.199985	812.880447	1.83456E-05	0.016294543
888.239985	842.470171	1.90134E-05	0.016888443
888.279985	784.590664	1.77071E-05	0.015728879
888.319985	721.065011	1.62734E-05	0.014456016
888.359985	653.561685	1.475E-05	0.013103289
888.399985	566.822415	1.27924E-05	0.011364761
888.439985	470.936413	1.06284E-05	0.009442677
888.479985	389.928088	8.80013E-06	0.007818743
888.519985	344.331496	7.77108E-06	0.006904762
888.559985	345.207959	7.79086E-06	0.006922649
888.599985	357.791909	8.07487E-06	0.007175325
888.639985	371.629475	8.38716E-06	0.007453165
888.679985	395.27952	8.92091E-06	0.007927833
888.719985	418.724538	9.45003E-06	0.00839843
888.759985	390.861152	8.82119E-06	0.007839922
888.799985	345.972491	7.80812E-06	0.006939854
888.839985	340.621979	7.68736E-06	0.006832836
888.879985	340.948519	7.69473E-06	0.006839694
888.919985	350.279555	7.90532E-06	0.007027198
888.959985	416.777811	9.40609E-06	0.008361642
888.999985	488.29513	1.10201E-05	0.009796905
889.039985	592.183227	1.33648E-05	0.011881798
889.079985	729.632028	1.64668E-05	0.014640283
889.119985	889.613466	2.00773E-05	0.017851161
889.159985	970.462472	2.1902E-05	0.01947437
889.199985	1016.438637	2.29396E-05	0.020397896
889.239985	1054.971332	2.38092E-05	0.021172122
889.279985	995.904278	2.24762E-05	0.01998761
889.319985	875.722717	1.97638E-05	0.01757638
889.359985	716.370371	1.61675E-05	0.014378711
889.399985	557.366887	1.2579E-05	0.011187757
889.439985	464.256177	1.04776E-05	0.00931921
889.479985	403.675705	9.1104E-06	0.008103517
889.519985	353.970003	7.98861E-06	0.007106028
889.559985	323.067406	7.29118E-06	0.006485943
889.599985	319.730348	7.21587E-06	0.006419237
889.639985	322.318895	7.27429E-06	0.006471498
889.679985	342.333962	7.726E-06	0.006873668

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889.839985	269.069891	6.07253E-06	0.005403582
889.879985	267.240735	6.03125E-06	0.00536709
889.919985	296.632883	6.69459E-06	0.00595765
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890.279985	725.641917	1.63767E-05	0.014579873
890.319985	611.75084	1.38064E-05	0.012292082
890.359985	528.770368	1.19336E-05	0.010625209
890.399985	446.941589	1.00868E-05	0.00898133
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890.479985	338.900476	7.64851E-06	0.006810847
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890.559985	361.013515	8.14757E-06	0.007255902
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890.639985	382.548161	8.63358E-06	0.007689411
890.679985	390.636569	8.81612E-06	0.007852345
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890.799985	375.154689	8.46672E-06	0.007542153
890.839985	361.261364	8.15317E-06	0.007263166
890.879985	362.411004	8.17911E-06	0.007286607
890.919985	370.061178	8.35177E-06	0.007440755
890.959985	404.426361	9.12734E-06	0.008132094
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891.079985	693.438531	1.56499E-05	0.01394535
891.119985	805.382517	1.81764E-05	0.016197319
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891.199985	1107.289786	2.499E-05	0.022271077
891.239985	1118.729212	2.52482E-05	0.02250217
891.279985	1022.458925	2.30755E-05	0.020566708
891.319985	885.48203	1.99841E-05	0.017812224
891.359985	733.039492	1.65437E-05	0.014746375
891.399985	590.492088	1.33266E-05	0.011879317
891.439985	471.500775	1.06411E-05	0.009485916
891.479985	380.890869	8.59618E-06	0.007663319
891.519985	332.351425	7.50071E-06	0.006687032

891.559985	333.863869	7.53484E-06	0.006717764
891.599985	349.399296	7.88546E-06	0.007030672
891.639985	367.700228	8.29848E-06	0.007399258
891.679985	368.024156	8.30579E-06	0.007406109
891.719985	371.96931	8.39483E-06	0.007485837
891.759985	380.871111	8.59573E-06	0.007665328
891.799985	367.816944	8.30112E-06	0.007402935
891.839985	343.666636	7.75608E-06	0.00691718
891.879985	307.599716	6.9421E-06	0.006191517
891.919985	280.533326	6.33125E-06	0.005646965
891.959985	329.165808	7.42881E-06	0.006626205
891.999985	418.450622	9.44385E-06	0.008423912
892.039985	486.171081	1.09722E-05	0.009787645
892.079985	561.089192	1.2663E-05	0.01129641
892.119985	676.349587	1.52643E-05	0.013617559
892.159985	797.717888	1.80034E-05	0.016061897
892.199985	914.927141	2.06486E-05	0.018422708
892.239985	961.387218	2.16972E-05	0.019359083
892.279985	870.29668	1.96414E-05	0.017525614
892.319985	753.118115	1.69968E-05	0.015166608
892.359985	642.447817	1.44992E-05	0.012938463
892.399985	569.079452	1.28433E-05	0.011461388
892.439985	501.570692	1.13198E-05	0.010102199
892.479985	418.732609	9.45021E-06	0.008434125
892.519985	357.956879	8.07859E-06	0.007210301
892.559985	331.69131	7.48581E-06	0.006681535
892.599985	358.896215	8.09979E-06	0.00722987
892.639985	414.840357	9.36237E-06	0.008357225
892.679985	459.238375	1.03644E-05	0.009252066
892.719985	434.556881	9.80734E-06	0.008755212
892.759985	404.238478	9.1231E-06	0.008144738
892.799985	398.051004	8.98346E-06	0.00802043
892.839985	375.945853	8.48457E-06	0.007575367
892.879985	354.505574	8.0007E-06	0.007143662
892.919985	376.478768	8.4966E-06	0.007586785
892.959985	451.108321	1.01809E-05	0.009091124
892.999985	570.838495	1.2883E-05	0.011504545
893.039985	681.939961	1.53904E-05	0.013744274
893.079985	806.571743	1.82032E-05	0.016256914
893.119985	927.757888	2.09382E-05	0.018700328
893.159985	1065.511065	2.40471E-05	0.021477908
893.199985	1144.632893	2.58328E-05	0.02307383
893.239985	1098.930969	2.48013E-05	0.02215355
893.279985	1019.67218	2.30126E-05	0.020556678
893.319985	954.059937	2.15318E-05	0.019234791
893.359985	853.613012	1.92649E-05	0.017210452

893.399985	777.919453	1.75566E-05	0.015685029
893.439985	733.965715	1.65646E-05	0.014799462
893.479984	689.005827	1.55499E-05	0.013893526
893.519984	611.771526	1.38068E-05	0.01233668
893.559984	523.301769	1.18102E-05	0.010553115
893.599984	468.495203	1.05733E-05	0.009448287
893.639984	449.164455	1.0137E-05	0.009058843
893.679984	406.886171	9.18285E-06	0.008206533
893.719984	372.376686	8.40402E-06	0.007510843
893.759984	348.596929	7.86735E-06	0.00703152
893.799984	325.943834	7.3561E-06	0.006574881
893.839984	314.687677	7.10206E-06	0.006348107
893.879984	296.850248	6.6995E-06	0.005988546
893.919984	296.934441	6.7014E-06	0.005990512
893.959984	336.487311	7.59405E-06	0.006788777
893.999984	383.700209	8.65958E-06	0.007741664
894.039984	469.611788	1.05985E-05	0.009475468
894.079984	601.084392	1.35656E-05	0.012128765
894.119984	733.642392	1.65573E-05	0.014804201
894.159984	848.017549	1.91386E-05	0.017112948
894.199984	920.917892	2.07838E-05	0.018584904
894.239984	932.135087	2.1037E-05	0.018812118
894.279984	902.124348	2.03597E-05	0.018207263
894.319984	798.522401	1.80215E-05	0.016117022
894.359984	667.293125	1.50599E-05	0.013468951
894.399984	591.076965	1.33398E-05	0.011931102
894.439984	516.445096	1.16554E-05	0.010425097
894.479984	476.226844	1.07478E-05	0.009613671
894.519984	460.509811	1.03931E-05	0.009296804
894.559984	409.350587	9.23847E-06	0.008264368
894.599984	360.844474	8.14376E-06	0.007285405
894.639984	340.627422	7.68749E-06	0.006877533
894.679984	357.417997	8.06643E-06	0.00721687
894.719984	367.0801	8.28449E-06	0.007412296
894.759984	345.523449	7.79798E-06	0.006977323
894.799984	325.366608	7.34307E-06	0.00657058
894.839984	311.843995	7.03788E-06	0.006297781
894.879984	307.274116	6.93475E-06	0.006205768
894.919984	314.335164	7.09411E-06	0.006348658
894.959984	368.48453	8.31618E-06	0.007442651
894.999984	467.797645	1.05575E-05	0.009448999
895.039984	557.486428	1.25817E-05	0.011261118
895.079984	725.539591	1.63744E-05	0.014656414
895.119984	934.653512	2.10938E-05	0.018881507
895.159984	1040.963753	2.34931E-05	0.021030085
895.199984	1125.518273	2.54014E-05	0.022739315

895.239984	1096.220052	2.47402E-05	0.02214838
895.279984	965.362705	2.17869E-05	0.019505368
895.319984	837.239816	1.88953E-05	0.016917372
895.359984	715.705252	1.61525E-05	0.014462276
895.399984	584.11339	1.31826E-05	0.011803723
895.439984	469.438401	1.05946E-05	0.009486802
895.479984	416.073738	9.3902E-06	0.00840874
895.519984	395.131063	8.91756E-06	0.007985851
895.559984	383.084769	8.64569E-06	0.007742734
895.599984	346.167103	7.81251E-06	0.006996883
895.639984	314.879397	7.10639E-06	0.006364766
895.679984	317.528329	7.16617E-06	0.006418597
895.719984	341.497374	7.70712E-06	0.006903421
895.759984	362.774234	8.18731E-06	0.007333864
895.799984	345.414524	7.79552E-06	0.006983231
895.839984	307.621218	6.94258E-06	0.006219443
895.879984	289.454941	6.53259E-06	0.005852421
895.919984	286.496401	6.46582E-06	0.005792862
895.959984	315.594657	7.12253E-06	0.006381503
895.999984	383.57848	8.65683E-06	0.007756521
896.039984	448.914025	1.01314E-05	0.009078107
896.079984	535.525937	1.20861E-05	0.010830089
896.119984	615.857453	1.3899E-05	0.012455212
896.159984	735.235914	1.65933E-05	0.014870207
896.199984	824.627219	1.86107E-05	0.016678898
896.239984	840.238157	1.8963E-05	0.016995403
896.279984	804.904659	1.81656E-05	0.016281443
896.319984	728.218379	1.64349E-05	0.014730906
896.359984	612.39062	1.38208E-05	0.012388415
896.399984	495.452837	1.11817E-05	0.010023258
896.439984	415.392923	9.37484E-06	0.008403981
896.479984	370.410972	8.35966E-06	0.007494268
896.519984	316.630605	7.14591E-06	0.006406453
896.559984	316.008784	7.13188E-06	0.006394157
896.599984	345.290719	7.79273E-06	0.006986962
896.639984	332.223197	7.49781E-06	0.006722841
896.679984	339.978168	7.67283E-06	0.006880076
896.719984	358.024101	8.08011E-06	0.007245592
896.759984	356.715848	8.05058E-06	0.007219438
896.799984	362.45321	8.18006E-06	0.007335881
896.839984	379.001771	8.55354E-06	0.007671159
896.879984	406.821754	9.1814E-06	0.008234614
896.919984	439.351844	9.91556E-06	0.008893463
896.959984	472.283469	1.06588E-05	0.009560499
896.999984	530.45792	1.19717E-05	0.010738611
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897.079984	826.133532	1.86447E-05	0.016725772
897.119984	973.968262	2.19811E-05	0.01971969
897.159984	1060.926139	2.39436E-05	0.021481262
897.199984	1091.991041	2.46447E-05	0.022111239
897.239984	1087.193122	2.45364E-05	0.02201507
897.279984	998.584957	2.25367E-05	0.020221704
897.319984	844.760935	1.90651E-05	0.017107475
897.359984	665.871397	1.50278E-05	0.013485337
897.399984	521.82636	1.17769E-05	0.010568585
897.439984	425.964298	9.61342E-06	0.008627468
897.479984	358.528082	8.09148E-06	0.007261941
897.519984	313.975086	7.08598E-06	0.006359809
897.559984	292.412386	6.59934E-06	0.005923304
897.599984	314.430268	7.09625E-06	0.006369597
897.639984	355.757643	8.02895E-06	0.007207111
897.679984	385.195937	8.69334E-06	0.007803834
897.719984	385.140083	8.69208E-06	0.00780305
897.759984	360.683815	8.14013E-06	0.007307884
897.799984	334.024503	7.53847E-06	0.006768036
897.839984	312.922557	7.06223E-06	0.006340749
897.879984	327.300967	7.38673E-06	0.006632394
897.919984	350.845755	7.9181E-06	0.00710982
897.959984	358.574501	8.09253E-06	0.007266765
897.999984	393.725876	8.88584E-06	0.007979488
898.039984	491.62719	1.10953E-05	0.00996406
898.079984	621.19145	1.40194E-05	0.012590566
898.119984	733.754304	1.65598E-05	0.014872699
898.159984	808.163229	1.82391E-05	0.016381646
898.199984	815.045125	1.83944E-05	0.01652188
898.239984	808.905722	1.82559E-05	0.016398157
898.279984	784.14108	1.7697E-05	0.015896836
898.319984	718.673788	1.62195E-05	0.014570271
898.359984	629.050406	1.41968E-05	0.012753829
898.399984	544.732825	1.22939E-05	0.011044805
898.439984	451.623197	1.01925E-05	0.009157355
898.479984	392.36709	8.85518E-06	0.007956201
898.519984	380.564964	8.58882E-06	0.007717227
898.559984	380.484923	8.58701E-06	0.007715948
898.599984	377.695732	8.52407E-06	0.007659726
898.639984	377.314759	8.51547E-06	0.007652341
898.679984	401.520217	9.06175E-06	0.008143615
898.719984	396.170191	8.94101E-06	0.008035464
898.759984	385.581398	8.70204E-06	0.007821041
898.799984	385.918435	8.70964E-06	0.007828226
898.839984	371.738487	8.38962E-06	0.007540926
898.879984	377.971646	8.53029E-06	0.00766771

898.919984	399.417599	9.0143E-06	0.008103133
898.959984	443.570271	1.00108E-05	0.008999276
898.999984	481.272249	1.08616E-05	0.009764618
899.039984	543.909232	1.22753E-05	0.011035962
899.079984	686.855628	1.55014E-05	0.013936976
899.119984	838.391078	1.89213E-05	0.017012536
899.159984	962.709166	2.1727E-05	0.019536053
899.199984	1039.871869	2.34685E-05	0.021102839
899.239984	1059.850156	2.39193E-05	0.021509229
899.279984	973.823124	2.19778E-05	0.019764224
899.319984	821.796802	1.85468E-05	0.016679516
899.359984	676.356303	1.52644E-05	0.013728208
899.399984	534.883027	1.20716E-05	0.010857165
899.439984	418.581349	9.4468E-06	0.008496828
899.479984	344.579362	7.77668E-06	0.006994965
899.519984	316.780751	7.1493E-06	0.006430939
899.559984	304.649647	6.87552E-06	0.006184941
899.599984	328.062827	7.40392E-06	0.006660567
899.639984	363.5711	8.20529E-06	0.00738181
899.679984	386.173466	8.7154E-06	0.007841068
899.719984	386.865717	8.73102E-06	0.007855474
899.759984	337.881873	7.62552E-06	0.006861141
899.799984	278.631037	6.28831E-06	0.005658225
899.839984	268.668244	6.06347E-06	0.005456151
899.879984	274.272434	6.18995E-06	0.005570209
899.919984	267.57293	6.03875E-06	0.00543439
899.959984	313.786363	7.08172E-06	0.006373266
899.999984	396.700724	8.95298E-06	0.008057684
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900.079984	582.60564	1.31486E-05	0.01183479
900.119984	638.923729	1.44196E-05	0.012979387
900.159984	680.137349	1.53498E-05	0.013817233
900.199984	718.733037	1.62208E-05	0.014601967
900.239984	755.160133	1.70429E-05	0.015342711
900.279984	719.032702	1.62276E-05	0.014609353
900.319984	661.197454	1.49223E-05	0.01343485
900.359984	582.399695	1.31439E-05	0.011834287
900.399984	492.466295	1.11143E-05	0.010007296
900.439984	421.610054	9.51515E-06	0.008567823
900.479984	397.811261	8.97805E-06	0.008084551
900.519984	408.916964	9.22869E-06	0.008310616
900.559984	400.787145	9.04521E-06	0.008145752
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900.639984	418.669708	9.44879E-06	0.00850996
900.679984	386.927416	8.73241E-06	0.007865109
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900.759984	329.235896	7.4304E-06	0.006693003
900.799984	315.932521	7.13016E-06	0.006422845
900.839984	291.261846	6.57337E-06	0.005921558
900.879984	297.670371	6.71801E-06	0.006052117
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900.959984	420.521778	9.49059E-06	0.008550643
900.999984	525.047371	1.18496E-05	0.010676478
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901.079984	749.208352	1.69086E-05	0.015235991
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901.199984	1094.784421	2.47078E-05	0.022266632
901.239984	1050.334104	2.37046E-05	0.021363513
901.279984	930.521413	2.10006E-05	0.018927395
901.319984	812.302288	1.83325E-05	0.016523477
901.359984	697.454534	1.57406E-05	0.014187927
901.399984	573.939478	1.2953E-05	0.011675847
901.439984	450.78314	1.01735E-05	0.009170843
901.479984	372.116091	8.39814E-06	0.007570757
901.519984	361.85369	8.16653E-06	0.007362293
901.559984	374.400146	8.44969E-06	0.007617902
901.599984	385.330787	8.69638E-06	0.007840655
901.639984	412.686905	9.31377E-06	0.008397666
901.679984	426.421043	9.62373E-06	0.008677524
901.719984	421.730722	9.51787E-06	0.008582458
901.759984	410.745707	9.26996E-06	0.008359278
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901.839984	332.652184	7.5075E-06	0.00677056
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901.919984	314.962446	7.10826E-06	0.006411085
901.959984	338.558099	7.64078E-06	0.006891682
901.999984	375.10802	8.46567E-06	0.00763603
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902.079984	534.215578	1.20565E-05	0.010875929
902.119984	694.642604	1.56771E-05	0.01414264
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902.199984	907.498436	2.0481E-05	0.018477936
902.239984	922.106015	2.08106E-05	0.018776199
902.279984	815.983205	1.84156E-05	0.016616031
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902.359984	624.14553	1.40861E-05	0.012710729
902.399984	523.94762	1.18248E-05	0.01067067
902.439984	452.669095	1.02161E-05	0.009219427
902.479984	392.861816	8.86634E-06	0.008001698
902.519984	374.154247	8.44414E-06	0.007621005
902.559984	355.591087	8.0252E-06	0.00724322

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902.639984	369.066429	8.32932E-06	0.007518373
902.679984	394.283569	8.89843E-06	0.008032436
902.719984	393.32792	8.87686E-06	0.008013322
902.759984	403.038241	9.09601E-06	0.008211515
902.799984	411.12113	9.27843E-06	0.008376568
902.839984	381.687508	8.61416E-06	0.007777204
902.879984	335.314707	7.56759E-06	0.006832622
902.919984	337.412874	7.61494E-06	0.00687568
902.959984	363.348726	8.20027E-06	0.00740452
902.999984	434.301451	9.80158E-06	0.008850826
903.039984	511.319391	1.15398E-05	0.010420871
903.079984	601.100744	1.3566E-05	0.012251189
903.119984	772.84843	1.74421E-05	0.01575232
903.159984	983.13217	2.21879E-05	0.020039245
903.199984	1098.921716	2.48011E-05	0.022400382
903.239984	1118.429313	2.52414E-05	0.022799034
903.279984	1036.2121	2.33859E-05	0.021123983
903.319984	904.290385	2.04086E-05	0.018435473
903.359984	784.689238	1.77093E-05	0.015997912
903.399984	657.588518	1.48409E-05	0.01340723
903.439984	516.72361	1.16617E-05	0.010535675
903.479984	435.012738	9.81763E-06	0.008870034
903.519984	403.942313	9.11642E-06	0.008236863
903.559984	387.640945	8.74852E-06	0.007904809
903.599984	366.600136	8.27365E-06	0.007476074
903.639984	329.555499	7.43761E-06	0.00672092
903.679984	323.242068	7.29512E-06	0.006592457
903.719984	316.808272	7.14992E-06	0.006461527
903.759984	314.312818	7.0936E-06	0.006410914
903.799984	318.886689	7.19683E-06	0.006504493
903.839984	304.06886	6.86241E-06	0.006202521
903.879984	290.651848	6.55961E-06	0.005929098
903.919984	307.142725	6.93178E-06	0.006265778
903.959984	342.956298	7.74005E-06	0.006996692
903.999984	390.281434	8.80811E-06	0.00796253
904.039984	426.132866	9.61723E-06	0.008694356
904.079984	506.44277	1.14297E-05	0.01033337
904.119984	626.545337	1.41403E-05	0.012784488
904.159984	709.146697	1.60045E-05	0.014470586
904.199984	791.869449	1.78714E-05	0.016159311
904.239984	840.514951	1.89693E-05	0.017152756
904.279984	781.347761	1.76339E-05	0.015946011
904.319984	656.159015	1.48086E-05	0.013391708
904.359984	538.056684	1.21432E-05	0.010981815
904.399984	458.860244	1.03558E-05	0.009365818

904.439984	409.160363	9.23418E-06	0.008351761
904.479984	340.503694	7.68469E-06	0.006950652
904.519984	295.922618	6.67856E-06	0.006040892
904.559984	294.351769	6.64311E-06	0.006009091
904.599984	296.182461	6.68443E-06	0.006046731
904.639984	317.020831	7.15472E-06	0.006472445
904.679984	360.659504	8.13958E-06	0.007363717
904.719984	409.388273	9.23932E-06	0.008359
904.759984	418.521484	9.44545E-06	0.008545862
904.799984	388.473168	8.7673E-06	0.007932651
904.839984	370.176947	8.35438E-06	0.007559375
904.879984	374.030551	8.44135E-06	0.007638407
904.919984	390.288886	8.80828E-06	0.007970785
904.959984	413.654408	9.3356E-06	0.008448348
904.999984	447.371309	1.00965E-05	0.009137375
905.039984	551.318343	1.24425E-05	0.011260948
905.079984	727.387861	1.64161E-05	0.014857911
905.119984	914.469906	2.06383E-05	0.018680149
905.159984	1015.545691	2.29195E-05	0.020745771
905.199984	1030.920963	2.32665E-05	0.02106079
905.239984	1004.64763	2.26735E-05	0.020524957
905.279984	935.32388	2.1109E-05	0.019109516
905.319984	828.374478	1.86953E-05	0.016925191
905.359984	698.847357	1.5772E-05	0.014279348
905.399984	566.91036	1.27944E-05	0.011584029
905.439984	463.499612	1.04605E-05	0.009471392
905.479984	389.445297	8.78924E-06	0.007958479
905.519984	335.065011	7.56195E-06	0.006847497
905.559984	311.920713	7.03962E-06	0.006374795
905.599984	305.684429	6.89887E-06	0.006247618
905.639984	324.191737	7.31656E-06	0.006626166
905.679984	317.046725	7.1553E-06	0.006480415
905.719984	302.116759	6.81835E-06	0.00617552
905.759984	291.272851	6.57362E-06	0.005954124
905.799984	269.202018	6.07551E-06	0.005503201
905.839984	262.66655	5.92802E-06	0.005369836
905.879984	256.314684	5.78467E-06	0.005240213
905.919984	265.173301	5.98459E-06	0.005421562
905.959984	302.98245	6.83789E-06	0.006194856
905.999984	363.927417	8.21333E-06	0.007441281
906.039984	425.919593	9.61241E-06	0.00870923
906.079984	553.450119	1.24906E-05	0.011317481
906.119984	717.796374	1.61997E-05	0.01467884
906.159984	799.779222	1.80499E-05	0.0163561
906.199984	819.455843	1.8494E-05	0.016759242
906.239984	783.09483	1.76734E-05	0.016016305

906.279984	737.216178	1.66379E-05	0.015078634
906.319984	660.23506	1.49006E-05	0.013504699
906.359984	552.394847	1.24668E-05	0.011299393
906.399984	486.496674	1.09796E-05	0.009951866
906.439984	415.405896	9.37513E-06	0.008497995
906.479984	371.507466	8.38441E-06	0.007600296
906.519984	344.02826	7.76424E-06	0.007038437
906.559984	324.107733	7.31466E-06	0.006631178
906.599984	306.815884	6.92441E-06	0.006277667
906.639984	309.274868	6.9799E-06	0.006328259
906.679984	326.496762	7.36858E-06	0.006680941
906.719984	333.924087	7.5362E-06	0.006833225
906.759984	325.388194	7.34356E-06	0.006658845
906.799984	327.377582	7.38846E-06	0.006699852
906.839984	336.646932	7.59765E-06	0.006889855
906.879984	338.713862	7.6443E-06	0.006932463
906.919984	337.097047	7.60781E-06	0.006899676
906.959984	376.461062	8.4962E-06	0.007705715
906.999984	516.338905	1.1653E-05	0.010569316
907.039984	661.448722	1.4928E-05	0.013540271
907.079984	783.697994	1.7687E-05	0.016043498
907.119984	918.199844	2.07225E-05	0.018797786
907.159984	1014.237079	2.28899E-05	0.020764818
907.199984	1075.703195	2.42771E-05	0.022024205
907.239984	1064.452348	2.40232E-05	0.021794814
907.279984	991.132508	2.23685E-05	0.020294474
907.319984	850.679561	1.91987E-05	0.017419321
907.359984	677.737504	1.52956E-05	0.013878608
907.399984	528.217725	1.19211E-05	0.010817241
907.439984	425.11614	9.59428E-06	0.008706233
907.479984	355.929921	8.03284E-06	0.007289644
907.519984	325.162171	7.33846E-06	0.006659797
907.559984	336.731013	7.59955E-06	0.006897047
907.599984	342.638785	7.73288E-06	0.007018362
907.639984	334.654369	7.55268E-06	0.006855117
907.679984	343.761758	7.75822E-06	0.007041985
907.719984	330.764874	7.4649E-06	0.006776041
907.759984	295.443828	6.66776E-06	0.006052722
907.799984	261.342955	5.89815E-06	0.005354337
907.839984	240.930125	5.43746E-06	0.004936341
907.879984	268.113886	6.05096E-06	0.005493543
907.919984	322.002093	7.26714E-06	0.00659798
907.959984	382.446178	8.63128E-06	0.007836855
907.999984	432.746277	9.76648E-06	0.008867964
908.039984	471.983936	1.0652E-05	0.00967246
908.079984	547.68197	1.23604E-05	0.011224249

908.119984	665.871159	1.50278E-05	0.013647031
908.159984	806.782103	1.82079E-05	0.01653573
908.199984	885.755689	1.99903E-05	0.018155165
908.239984	849.316835	1.91679E-05	0.017409051
908.279984	750.297472	1.69332E-05	0.015380058
908.319984	696.879411	1.57276E-05	0.014285691
908.359984	625.52962	1.41173E-05	0.01282362
908.399984	557.09643	1.25729E-05	0.011421213
908.439984	494.345956	1.11567E-05	0.010135192
908.479984	453.643773	1.02381E-05	0.009301116
908.519984	423.49447	9.55768E-06	0.008683344
908.559984	400.936449	9.04858E-06	0.008221175
908.599984	397.19048	8.96404E-06	0.008144723
908.639984	398.111053	8.98481E-06	0.008163959
908.679984	392.582044	8.86003E-06	0.008050932
908.719984	418.732185	9.4502E-06	0.008587588
908.759984	432.259335	9.75549E-06	0.0088654
908.799984	426.420304	9.62371E-06	0.00874603
908.839984	430.251965	9.71019E-06	0.008825007
908.879984	442.381929	9.98394E-06	0.009074207
908.919984	443.167869	1.00017E-05	0.009090728
908.959984	480.362715	1.08411E-05	0.009854142
908.999984	593.321451	1.33904E-05	0.012171909
909.039984	789.940055	1.78278E-05	0.016206226
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909.159984	1493.053363	3.36961E-05	0.030635177
909.199984	1492.604508	3.3686E-05	0.030627315
909.239984	1345.669775	3.03699E-05	0.027613521
909.279984	1164.3473	2.62777E-05	0.023893784
909.319984	1001.736127	2.26078E-05	0.020557714
909.359984	819.646628	1.84983E-05	0.016821598
909.399984	617.525959	1.39367E-05	0.012674035
909.439984	468.204698	1.05667E-05	0.009609805
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909.519984	354.93337	8.01035E-06	0.007285575
909.559984	347.119343	7.834E-06	0.007125493
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909.639984	378.934871	8.55203E-06	0.00777927
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909.719984	400.844943	9.04651E-06	0.008229793
909.759984	364.418796	8.22442E-06	0.007482252
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910.079984	674.651045	1.52259E-05	0.013856818
910.119984	840.924694	1.89785E-05	0.017272711
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910.479984	400.812421	9.04578E-06	0.008236
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910.799984	416.389022	9.39732E-06	0.008559079
910.839984	397.381951	8.96836E-06	0.008168738
910.879984	396.321061	8.94441E-06	0.008147288
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911.359984	658.581693	1.48633E-05	0.013545791
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912.199984	964.636265	2.17705E-05	0.019859047
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915.079984	671.934543	1.51646E-05	0.013876846
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915.159984	855.516211	1.93078E-05	0.017669734
915.199984	922.522825	2.08201E-05	0.019054514
915.239984	934.44383	2.10891E-05	0.019301584
915.279984	855.991934	1.93185E-05	0.017681878
915.319984	748.974812	1.69033E-05	0.015471945
915.359984	637.422125	1.43857E-05	0.013168121
915.399984	527.763231	1.19109E-05	0.01090322
915.439984	418.404099	9.4428E-06	0.008644315

915.479984	346.340454	7.81642E-06	0.007155778
915.519984	328.382144	7.41113E-06	0.006785035
915.559984	335.120984	7.56321E-06	0.006924576
915.599984	355.059245	8.01319E-06	0.007336879
915.639984	344.842831	7.78262E-06	0.00712608
915.679984	306.672039	6.92116E-06	0.006337568
915.719984	304.879338	6.8807E-06	0.006300796
915.759984	311.173189	7.02275E-06	0.006431149
915.799984	294.700108	6.65097E-06	0.006090959
915.839984	288.194666	6.50415E-06	0.005956763
915.879984	279.178095	6.30066E-06	0.005770649
915.919984	271.019677	6.11654E-06	0.005602258
915.959984	305.343829	6.89118E-06	0.00631205
915.999984	348.094827	7.85602E-06	0.00719611
916.039984	396.274163	8.94336E-06	0.008192472
916.079984	468.356187	1.05701E-05	0.0096831
916.119984	581.242996	1.31178E-05	0.01201752
916.159984	699.303421	1.57823E-05	0.014459116
916.199984	769.468935	1.73658E-05	0.015910584
916.239984	764.244859	1.72479E-05	0.015803254
916.279984	702.74489	1.586E-05	0.014532176
916.319984	627.047892	1.41516E-05	0.012967392
916.359984	562.590954	1.26969E-05	0.011634926
916.399984	486.057997	1.09697E-05	0.010052589
916.439984	449.160817	1.01369E-05	0.009289892
916.479984	444.601525	1.0034E-05	0.009195994
916.519984	472.947208	1.06738E-05	0.009782714
916.559984	525.299706	1.18553E-05	0.010866078
916.599984	530.531978	1.19734E-05	0.010974789
916.639984	499.551662	1.12742E-05	0.010334369
916.679984	444.429434	1.00302E-05	0.009194441
916.719984	378.401533	8.54E-06	0.007828785
916.759984	359.351953	8.11007E-06	0.00743499
916.799984	368.989551	8.32758E-06	0.007634725
916.839984	354.877624	8.00909E-06	0.007343057
916.879984	333.591574	7.5287E-06	0.006902912
916.919984	345.388524	7.79494E-06	0.007147334
916.959984	385.802891	8.70703E-06	0.007984002
916.999984	428.341888	9.66708E-06	0.008864712
917.039984	506.872104	1.14394E-05	0.010490385
917.079984	624.353858	1.40908E-05	0.012922388
917.119984	723.099369	1.63193E-05	0.014966798
917.159984	839.157693	1.89386E-05	0.017369745
917.199984	970.158382	2.18951E-05	0.020082207
917.239984	1028.14281	2.32038E-05	0.021283408
917.279984	947.741149	2.13892E-05	0.019619883

917.319984	788.749826	1.7801E-05	0.016329199
917.359984	650.147428	1.46729E-05	0.013460351
917.399984	564.224074	1.27338E-05	0.011681943
917.439984	484.022713	1.09237E-05	0.010021856
917.479984	443.007636	9.99807E-06	0.009173025
917.519984	428.319751	9.66658E-06	0.00886928
917.559984	413.051915	9.32201E-06	0.0085535
917.599984	392.493393	8.85803E-06	0.008128127
917.639984	401.421681	9.05953E-06	0.008313385
917.679984	395.877293	8.9344E-06	0.008198919
917.719984	358.379692	8.08813E-06	0.007422639
917.759984	325.026642	7.3354E-06	0.006732135
917.799984	308.389943	6.95993E-06	0.006387825
917.839984	304.509476	6.87235E-06	0.006307722
917.879984	298.327057	6.73283E-06	0.006179926
917.919984	284.910309	6.43003E-06	0.005902252
917.959984	302.208038	6.82041E-06	0.006260868
917.999984	338.992568	7.65059E-06	0.007023242
918.039984	388.610414	8.7704E-06	0.008051574
918.079984	453.080379	1.02254E-05	0.009387729
918.119984	542.245994	1.22377E-05	0.011235711
918.159984	646.278228	1.45856E-05	0.013391914
918.199984	730.92527	1.6496E-05	0.015146595
918.239984	769.958112	1.73769E-05	0.015956148
918.279984	742.825357	1.67645E-05	0.015394536
918.319984	657.956807	1.48492E-05	0.013636288
918.359984	541.706071	1.22256E-05	0.011227457
918.399984	463.145039	1.04525E-05	0.009599611
918.439984	412.362742	9.30645E-06	0.008547418
918.479984	367.280511	8.28901E-06	0.007613289
918.519984	332.974227	7.51476E-06	0.006902461
918.559984	306.558711	6.9186E-06	0.006355152
918.599984	308.603673	6.96476E-06	0.006397824
918.639984	335.373747	7.56892E-06	0.006953111
918.679984	357.443544	8.067E-06	0.007410994
918.719984	392.3506	8.85481E-06	0.008135088
918.759984	386.887083	8.7315E-06	0.008022155
918.799984	337.144017	7.60887E-06	0.00699103
918.839984	303.730812	6.85478E-06	0.006298447
918.879984	308.652316	6.96585E-06	0.006400783
918.919984	322.622878	7.28115E-06	0.006690793
918.959984	338.970631	7.65009E-06	0.007030131
918.999984	384.979884	8.68846E-06	0.007984694
919.039984	457.890601	1.0334E-05	0.009497316
919.079984	603.368785	1.36172E-05	0.01251529
919.119984	759.559504	1.71422E-05	0.015755739

919.159984	867.239293	1.95724E-05	0.017990151
919.199984	936.510869	2.11357E-05	0.019427977
919.239984	968.900936	2.18667E-05	0.020100786
919.279984	925.704458	2.08919E-05	0.019205469
919.319984	802.976617	1.81221E-05	0.016659975
919.359984	638.155689	1.44023E-05	0.013240885
919.399984	510.051885	1.15112E-05	0.010583361
919.439984	415.97097	9.38789E-06	0.008631597
919.479984	348.498954	7.86514E-06	0.007231835
919.519984	327.555772	7.39248E-06	0.006797531
919.559984	318.059565	7.17816E-06	0.00660075
919.599984	330.227061	7.45276E-06	0.006853562
919.639984	339.271823	7.65689E-06	0.007041584
919.679984	332.517919	7.50447E-06	0.006901707
919.719984	338.167337	7.63197E-06	0.007019271
919.759984	341.875646	7.71566E-06	0.007096553
919.799984	325.831994	7.35357E-06	0.006763817
919.839984	307.941328	6.94981E-06	0.00639271
919.879984	296.22271	6.68533E-06	0.006149705
919.919984	282.604014	6.37798E-06	0.00586723
919.959984	277.21847	6.25643E-06	0.00575567
919.999984	307.503732	6.93993E-06	0.006384736
920.039984	401.436456	9.05986E-06	0.008335435
920.079984	550.3867	1.24215E-05	0.011428738
920.119984	685.941522	1.54807E-05	0.014244143
920.159984	811.864642	1.83227E-05	0.016859773
920.199984	906.516226	2.04588E-05	0.018826195
920.239984	930.92887	2.10098E-05	0.019334028
920.279984	858.543055	1.93761E-05	0.017831456
920.319984	751.250702	1.69547E-05	0.015603733
920.359984	646.880722	1.45992E-05	0.013436517
920.399984	542.804134	1.22503E-05	0.011275207
920.439984	449.857298	1.01527E-05	0.009344907
920.479984	366.892212	8.28025E-06	0.007621801
920.519984	308.98605	6.97338E-06	0.00641914
920.559984	313.637379	7.07836E-06	0.006516054
920.599984	370.857338	8.36973E-06	0.007705177
920.639984	420.678966	9.49414E-06	0.008740683
920.679984	439.852585	9.92686E-06	0.009139461
920.719984	474.715536	1.07137E-05	0.009864289
920.759984	483.868162	1.09202E-05	0.010054911
920.799984	439.551643	9.92007E-06	0.009134399
920.839984	383.80034	8.66184E-06	0.007976168
920.879984	355.16381	8.01555E-06	0.007381362
920.919984	349.967511	7.89828E-06	0.007273683
920.959984	385.890983	8.70902E-06	0.008020661

920.999984	464.910685	1.04924E-05	0.009663488
921.039984	593.975227	1.34052E-05	0.012346719
921.079984	754.293732	1.70234E-05	0.015679875
921.119984	894.38273	2.0185E-05	0.018592781
921.159984	997.915891	2.25216E-05	0.020745971
921.199984	1064.17411	2.40169E-05	0.022124393
921.239984	1111.858524	2.50931E-05	0.023116765
921.279984	1117.477283	2.52199E-05	0.023234594
921.319984	1013.874783	2.28817E-05	0.021081406
921.359984	874.983541	1.97472E-05	0.018194243
921.399984	742.012892	1.67462E-05	0.015429946
921.439984	669.594109	1.51118E-05	0.013924623
921.479984	642.726778	1.45054E-05	0.01336648
921.519984	659.507918	1.48842E-05	0.013716065
921.559984	630.257135	1.4224E-05	0.013108293
921.599984	558.175676	1.25972E-05	0.011609623
921.639984	496.188177	1.11983E-05	0.010320779
921.679984	471.679533	1.06452E-05	0.009811422
921.719984	462.019398	1.04271E-05	0.009610898
921.759984	448.960523	1.01324E-05	0.009339653
921.799984	394.956417	8.91362E-06	0.008216571
921.839984	342.554354	7.73097E-06	0.007126722
921.879984	321.037011	7.24536E-06	0.006679351
921.919984	322.224977	7.27217E-06	0.006704358
921.959984	342.309123	7.72544E-06	0.007122547
921.999984	411.083579	9.27758E-06	0.008553932
922.039984	472.478772	1.06632E-05	0.009831885
922.079984	557.011094	1.2571E-05	0.011591435
922.119984	665.550277	1.50205E-05	0.013850743
922.159984	805.871057	1.81874E-05	0.016771681
922.199984	934.04791	2.10802E-05	0.019440123
922.239984	935.101017	2.11039E-05	0.019462886
922.279984	868.568829	1.96024E-05	0.018078891
922.319984	759.698063	1.71453E-05	0.015813478
922.359984	630.648369	1.42329E-05	0.013127816
922.399984	535.387432	1.20829E-05	0.011145312
922.439984	508.285923	1.14713E-05	0.010581591
922.479984	499.415453	1.12711E-05	0.010397374
922.519984	511.327486	1.15399E-05	0.010645834
922.559984	526.709948	1.18871E-05	0.010966572
922.599984	525.830053	1.18673E-05	0.010948726
922.639984	491.074808	1.10829E-05	0.010225503
922.679984	447.979768	1.01103E-05	0.009328552
922.719984	409.689421	9.24612E-06	0.008531579
922.759984	411.357373	9.28376E-06	0.008566685
922.799984	397.178508	8.96377E-06	0.008271763

922.839984	367.021733	8.28317E-06	0.00764404
922.879984	379.309808	8.56049E-06	0.007900309
922.919984	462.76373	1.04439E-05	0.009638914
922.959984	603.981466	1.3631E-05	0.012580886
922.999984	784.026711	1.76944E-05	0.016331922
923.039984	1092.373078	2.46533E-05	0.022756017
923.079984	1495.662248	3.3755E-05	0.031158577
923.119984	1797.450522	4.0566E-05	0.037447243
923.159984	1941.817024	4.38241E-05	0.040456661
923.199984	1833.62427	4.13823E-05	0.038204181
923.239984	1581.882366	3.57009E-05	0.032960481
923.279984	1348.074548	3.04242E-05	0.028090022
923.319984	1099.364765	2.48111E-05	0.022908614
923.359984	809.860611	1.82774E-05	0.016876644
923.399984	599.472415	1.35293E-05	0.012492916
923.439984	486.472321	1.0979E-05	0.01013845
923.479984	438.638963	9.89947E-06	0.009141963
923.519984	423.536686	9.55863E-06	0.008827589
923.559984	436.66203	9.85485E-06	0.009101549
923.599984	423.071783	9.54814E-06	0.008818663
923.639984	397.492466	8.97085E-06	0.008285837
923.679984	382.099212	8.62345E-06	0.007965305
923.719984	377.755618	8.52542E-06	0.007875099
923.759984	379.497802	8.56474E-06	0.007911761
923.799984	379.159285	8.5571E-06	0.007905046
923.839984	401.749007	9.06692E-06	0.008376379
923.879984	409.849952	9.24974E-06	0.008545652
923.919984	416.623051	9.4026E-06	0.008687252
923.959984	507.985216	1.14645E-05	0.010592757
923.999984	759.978971	1.71517E-05	0.01584814
924.039984	1182.951753	2.66976E-05	0.024669625
924.079984	1675.972263	3.78244E-05	0.034952734
924.119984	2155.312239	4.86424E-05	0.044951409
924.159984	2492.904947	5.62614E-05	0.051994527
924.199984	2431.164218	5.4868E-05	0.050708996
924.239984	2064.893673	4.66018E-05	0.043071223
924.279984	1636.646727	3.69368E-05	0.034139979
924.319984	1218.052493	2.74897E-05	0.025409324
924.359984	903.281286	2.03858E-05	0.018843818
924.399984	681.566548	1.5382E-05	0.014219128
924.439984	519.772253	1.17305E-05	0.010844176
924.479984	425.301793	9.59847E-06	0.008873593
924.519984	416.895263	9.40875E-06	0.008698573
924.559984	457.811875	1.03322E-05	0.009552717
924.599984	459.914381	1.03796E-05	0.009597003
924.639984	445.574153	1.0056E-05	0.009298169

924.679984	470.631968	1.06215E-05	0.009821496
924.719984	529.290491	1.19453E-05	0.011046103
924.759984	544.905861	1.22978E-05	0.011372482
924.799984	542.806932	1.22504E-05	0.011329166
924.839984	552.123143	1.24607E-05	0.011524108
924.879984	566.8648	1.27933E-05	0.011832312
924.919984	602.790861	1.36042E-05	0.01258275
924.959984	705.735569	1.59275E-05	0.014732271
924.999984	923.303071	2.08377E-05	0.019274839
925.039984	1286.845342	2.90423E-05	0.026865295
925.079984	1760.755045	3.97378E-05	0.036760633
925.119984	2255.04304	5.08932E-05	0.047082298
925.159984	2555.469474	5.76734E-05	0.053357109
925.199984	2585.363254	5.8348E-05	0.053983613
925.239984	2274.394176	5.13299E-05	0.047492484
925.279984	1739.068004	3.92483E-05	0.036315706
925.319984	1266.742999	2.85886E-05	0.026453626
925.359984	904.185893	2.04062E-05	0.018883096
925.399984	673.624446	1.52028E-05	0.014068639
925.439984	528.242712	1.19217E-05	0.01103282
925.479984	388.246471	8.76218E-06	0.008109224
925.519984	310.44457	7.0063E-06	0.006484472
925.559984	301.820886	6.81168E-06	0.006304616
925.599984	339.711212	7.66681E-06	0.007096398
925.639984	379.163874	8.5572E-06	0.007920887
925.679984	404.007538	9.11789E-06	0.008440246
925.719984	419.603616	9.46987E-06	0.008766447
925.759984	399.479954	9.01571E-06	0.00834638
925.799984	375.611691	8.47703E-06	0.007848037
925.839984	355.712497	8.02794E-06	0.007432584
925.879984	360.810869	8.143E-06	0.00753944
925.919984	390.596023	8.81521E-06	0.008162177
925.959984	413.01225	9.32111E-06	0.008630976
925.999984	490.486529	1.10696E-05	0.010250447
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926.079984	903.543935	2.03917E-05	0.018884371
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926.159984	1337.441327	3.01842E-05	0.027955387
926.199984	1341.168237	3.02683E-05	0.028034498
926.239984	1242.915383	2.80509E-05	0.025981836
926.279984	1116.485352	2.51975E-05	0.023339958
926.319984	964.375757	2.17646E-05	0.020161
926.359984	751.692903	1.69647E-05	0.015715384
926.399984	558.401465	1.26023E-05	0.011674811
926.439984	444.457882	1.00308E-05	0.00929293
926.479984	398.263499	8.98825E-06	0.008327436

926.519984	398.146706	8.98562E-06	0.008325353
926.559984	409.550288	9.24298E-06	0.008564175
926.599984	431.073395	9.72873E-06	0.009014637
926.639984	465.410201	1.05037E-05	0.009733111
926.679984	471.640714	1.06443E-05	0.009863836
926.719984	482.069338	1.08796E-05	0.010082374
926.759984	520.473531	1.17464E-05	0.010886059
926.799984	521.921221	1.1779E-05	0.010916809
926.839984	512.505386	1.15665E-05	0.010720325
926.879984	521.736222	1.17749E-05	0.010913882
926.919984	538.607565	1.21556E-05	0.011267289
926.959984	581.41797	1.31218E-05	0.012163378
926.999984	688.679569	1.55425E-05	0.014407933
927.039984	907.749411	2.04866E-05	0.018991934
927.079984	1142.377138	2.57819E-05	0.023901847
927.119984	1324.613134	2.98947E-05	0.027715949
927.159984	1463.46863	3.30284E-05	0.030622656
927.199984	1494.097787	3.37197E-05	0.031264911
927.239984	1366.483275	3.08396E-05	0.028595733
927.279984	1204.624757	2.71867E-05	0.025209685
927.319984	1030.747854	2.32625E-05	0.021571821
927.359984	845.746587	1.90873E-05	0.017700819
927.399984	658.019633	1.48506E-05	0.013772434
927.439984	514.800107	1.16183E-05	0.010775296
927.479984	445.978462	1.00651E-05	0.009335191
927.519984	407.751359	9.20238E-06	0.008535392
927.559984	403.334131	9.10269E-06	0.008443291
927.599984	391.784373	8.84203E-06	0.008201865
927.639984	390.043577	8.80274E-06	0.008165774
927.679984	412.696504	9.31399E-06	0.008640398
927.719984	400.888516	9.0475E-06	0.008393542
927.759984	380.891498	8.59619E-06	0.007975202
927.799984	392.679192	8.86222E-06	0.00822237
927.839984	399.500184	9.01616E-06	0.008365556
927.879984	387.207238	8.73873E-06	0.008108491
927.919984	404.572598	9.13064E-06	0.008472503
927.959984	415.934828	9.38707E-06	0.008710825
927.999984	464.215697	1.04767E-05	0.009722379
928.039984	567.260365	1.28023E-05	0.011881024
928.079984	670.884089	1.51409E-05	0.014051984
928.119984	817.338852	1.84462E-05	0.017120286
928.159984	964.401382	2.17652E-05	0.020201584
928.199984	1003.458898	2.26467E-05	0.021020638
928.239984	954.106229	2.15328E-05	0.019987651
928.279984	877.922824	1.98135E-05	0.018392471
928.319984	789.545025	1.78189E-05	0.01654167

928.359984	651.458561	1.47025E-05	0.013649224
928.399984	536.356493	1.21048E-05	0.011238114
928.439984	455.491775	1.02798E-05	0.009544191
928.479984	404.853953	9.13699E-06	0.008483512
928.519984	374.511126	8.45219E-06	0.007848031
928.559984	381.626018	8.61277E-06	0.007997471
928.599984	398.549893	8.99472E-06	0.008352493
928.639984	435.298332	9.82408E-06	0.009123031
928.679984	502.681455	1.13448E-05	0.010535707
928.719984	541.052553	1.22108E-05	0.011340416
928.759984	533.335153	1.20366E-05	0.011179142
928.799984	508.824648	1.14835E-05	0.010665841
928.839984	453.936091	1.02447E-05	0.009515692
928.879984	407.693781	9.20108E-06	0.0085467
928.919984	400.641758	9.04193E-06	0.008399226
928.959984	447.015849	1.00885E-05	0.009371836
928.999984	530.235891	1.19667E-05	0.011117051
929.039984	635.632504	1.43453E-05	0.013327395
929.079984	745.3705	1.6822E-05	0.015628959
929.119984	863.783007	1.94944E-05	0.018112617
929.159984	993.440193	2.24206E-05	0.020832288
929.199984	1078.180781	2.4333E-05	0.022610259
929.239984	1082.702001	2.44351E-05	0.02270605
929.279984	1019.915186	2.30181E-05	0.021390227
929.319984	863.197145	1.94812E-05	0.018104229
929.359984	724.827054	1.63583E-05	0.015202784
929.399984	580.411601	1.30991E-05	0.012174286
929.439984	461.826999	1.04228E-05	0.00968736
929.479984	439.504733	9.91901E-06	0.009219521
929.519984	410.234871	9.25843E-06	0.008605895
929.559984	370.272971	8.35655E-06	0.00776791
929.599984	351.72717	7.93799E-06	0.007379158
929.639984	356.769169	8.05178E-06	0.00748526
929.679984	357.123034	8.05977E-06	0.007493006
929.719984	349.405519	7.8856E-06	0.007331396
929.759984	350.069414	7.90058E-06	0.007345642
929.799984	339.739085	7.66744E-06	0.007129184
929.839984	322.953909	7.28862E-06	0.00677725
929.879984	337.281013	7.61196E-06	0.007078212
929.919984	364.474686	8.22569E-06	0.00764923
929.959984	364.998168	8.2375E-06	0.007660546
929.999984	387.888531	8.7541E-06	0.008141316
930.039984	441.661091	9.96768E-06	0.009270337
930.079984	552.624003	1.2472E-05	0.011599915
930.119984	640.187994	1.44482E-05	0.013438514
930.159984	682.243043	1.53973E-05	0.014321929

930.199984	728.300042	1.64367E-05	0.015289434
930.239984	757.794347	1.71024E-05	0.015909302
930.279984	742.931871	1.67669E-05	0.015597946
930.319984	702.117455	1.58458E-05	0.014741676
930.359984	600.394162	1.35501E-05	0.012606434
930.399984	487.10683	1.09933E-05	0.010228187
930.439984	404.68934	9.13327E-06	0.008497964
930.479984	347.882892	7.85123E-06	0.007305415
930.519984	334.247007	7.54349E-06	0.007019368
930.559984	353.987604	7.98901E-06	0.00743425
930.599984	381.423765	8.6082E-06	0.008010794
930.639984	382.208886	8.62592E-06	0.008027628
930.679984	400.524352	9.03928E-06	0.008412674
930.719984	413.798464	9.33885E-06	0.008691859
930.759984	413.120814	9.32356E-06	0.008677998
930.799984	384.973751	8.68832E-06	0.008087089
930.839984	345.863807	7.80566E-06	0.007265825
930.879984	334.547758	7.55028E-06	0.007028402
930.919984	326.791449	7.37523E-06	0.006865747
930.959984	355.065487	8.01333E-06	0.007460093
930.999984	425.353515	9.59964E-06	0.008937261
931.039984	544.749562	1.22942E-05	0.011446428
931.079984	668.836683	1.50947E-05	0.014054385
931.119984	770.278561	1.73841E-05	0.016186696
931.159984	855.436651	1.9306E-05	0.017976987
931.199984	931.21531	2.10162E-05	0.019570315
931.239984	920.421173	2.07726E-05	0.019344298
931.279984	847.900866	1.91359E-05	0.017820919
931.319984	767.237367	1.73155E-05	0.016126251
931.359984	672.483552	1.5177E-05	0.014135266
931.399984	556.897029	1.25684E-05	0.011706198
931.439984	451.029365	1.01791E-05	0.009481225
931.479984	361.206369	8.15192E-06	0.007593355
931.519984	327.611788	7.39374E-06	0.006887418
931.559984	329.584331	7.43826E-06	0.006929185
931.599984	313.194466	7.06836E-06	0.006584887
931.639984	317.796611	7.17223E-06	0.006681933
931.679984	344.31818	7.77078E-06	0.007239882
931.719984	358.96274	8.10129E-06	0.007548133
931.759984	344.437729	7.77348E-06	0.007243017
931.799984	331.172951	7.47411E-06	0.006964378
931.839984	342.883143	7.73839E-06	0.007210946
931.879984	334.979336	7.56002E-06	0.007045029
931.919984	321.112153	7.24705E-06	0.006753674
931.959984	335.775806	7.57799E-06	0.007062386
931.999984	371.320893	8.3802E-06	0.007810342

932.039984	425.095382	9.59381E-06	0.008941815
932.079984	533.094608	1.20312E-05	0.011214043
932.119984	627.391521	1.41594E-05	0.013198216
932.159984	697.447099	1.57404E-05	0.01467258
932.199984	783.038757	1.76721E-05	0.016473926
932.239984	780.691542	1.76191E-05	0.016425249
932.279984	717.062578	1.61831E-05	0.015087184
932.319984	674.790654	1.52291E-05	0.01419838
932.359984	605.2264	1.36591E-05	0.012735214
932.399984	495.240739	1.11769E-05	0.010421335
932.439984	377.8013	8.52645E-06	0.007950402
932.479984	324.021393	7.31271E-06	0.006818957
932.519984	315.763955	7.12635E-06	0.006645466
932.559984	292.461444	6.60045E-06	0.006155313
932.599984	286.101657	6.45692E-06	0.00602172
932.639984	298.719013	6.74167E-06	0.006287553
932.679984	337.666562	7.62066E-06	0.007107641
932.719984	381.59625	8.6121E-06	0.008032674
932.759984	383.341581	8.65149E-06	0.00806976
932.799984	356.849674	8.0536E-06	0.007512398
932.839984	335.350695	7.5684E-06	0.007060104
932.879984	351.0473	7.92265E-06	0.00739088
932.919984	375.310853	8.47024E-06	0.007902059
932.959984	397.631553	8.97399E-06	0.008372374
932.999984	460.383849	1.03902E-05	0.009694077
933.039984	544.440805	1.22873E-05	0.011464515
933.079984	670.63578	1.51353E-05	0.01412246
933.119984	846.448019	1.91032E-05	0.017825534
933.159984	955.732192	2.15695E-05	0.020127836
933.199984	988.684786	2.23132E-05	0.020822714
933.239984	1023.879739	2.31075E-05	0.02156488
933.279984	1001.537621	2.26033E-05	0.021095216
933.319984	868.668447	1.96046E-05	0.018297399
933.359984	717.635	1.6196E-05	0.015116719
933.399984	568.065876	1.28205E-05	0.011966613
933.439984	449.16544	1.0137E-05	0.009462317
933.479984	370.758048	8.36749E-06	0.007810887
933.519984	337.869095	7.62523E-06	0.007118309
933.559984	349.588878	7.88973E-06	0.00736554
933.599984	355.043902	8.01285E-06	0.007480793
933.639984	365.457669	8.24787E-06	0.007700542
933.679984	359.712433	8.11821E-06	0.007579809
933.719984	331.496001	7.4814E-06	0.006985535
933.759984	323.693352	7.30531E-06	0.006821404
933.799984	317.079654	7.15605E-06	0.006682316
933.839984	285.588017	6.44532E-06	0.006018901

933.879984	262.886776	5.93299E-06	0.005540699
933.919984	247.313278	5.58152E-06	0.00521269
933.959984	267.801419	6.04391E-06	0.005644765
933.999984	352.38888	7.95293E-06	0.007428033
934.039984	473.629841	1.06892E-05	0.009984108
934.079984	575.306546	1.29839E-05	0.012127971
934.119984	664.670987	1.50007E-05	0.014012452
934.159984	741.081314	1.67252E-05	0.015623987
934.199984	777.96683	1.75576E-05	0.016402336
934.239984	788.222249	1.77891E-05	0.016619268
934.279984	763.686792	1.72353E-05	0.01610264
934.319984	711.647015	1.60609E-05	0.015006003
934.359984	626.970834	1.41499E-05	0.013221061
934.399984	551.501705	1.24466E-05	0.011630126
934.439984	477.407874	1.07744E-05	0.010068059
934.479984	378.037166	8.53177E-06	0.00797277
934.519984	333.834033	7.53417E-06	0.007040832
934.559984	324.633942	7.32654E-06	0.006847087
934.599984	348.275072	7.86008E-06	0.007346034
934.639984	356.177645	8.03843E-06	0.007513041
934.679984	348.178815	7.85791E-06	0.007344632
934.719984	372.52129	8.40729E-06	0.007858459
934.759984	384.118464	8.66902E-06	0.008103452
934.799984	377.577736	8.5214E-06	0.007965808
934.839984	364.835688	8.23383E-06	0.007697317
934.879984	359.056725	8.10341E-06	0.007575716
934.919984	364.654229	8.22974E-06	0.007694147
934.959984	397.668726	8.97483E-06	0.008391106
934.999984	444.416893	1.00299E-05	0.009377929
935.039984	525.624822	1.18626E-05	0.011092024
935.079984	684.621167	1.54509E-05	0.01444787
935.119984	830.340913	1.87396E-05	0.01752381
935.159984	927.786627	2.09389E-05	0.019581176
935.199984	983.615023	2.21988E-05	0.020760337
935.239984	986.433976	2.22624E-05	0.020820725
935.279984	943.309102	2.12892E-05	0.019911337
935.319984	853.309509	1.9258E-05	0.018012399
935.359984	743.284753	1.67749E-05	0.015690572
935.399984	619.276311	1.39762E-05	0.013073341
935.439984	504.869139	1.13942E-05	0.010658584
935.479984	431.43163	9.73681E-06	0.009108592
935.519984	377.67833	8.52367E-06	0.007974067
935.559984	331.589431	7.48351E-06	0.007001274
935.599984	308.904774	6.97155E-06	0.006522583
935.639984	317.85792	7.17361E-06	0.006711917
935.679984	338.367927	7.63649E-06	0.007145313

935.719984	362.712797	8.18592E-06	0.007659731
935.759984	367.675174	8.29792E-06	0.007764858
935.799984	343.81527	7.75943E-06	0.007261276
935.839984	322.113808	7.26966E-06	0.006803238
935.879984	310.978428	7.01835E-06	0.006568333
935.919984	318.412364	7.18612E-06	0.006725637
935.959984	328.156693	7.40604E-06	0.006931757
935.999984	378.731449	8.54744E-06	0.008000405
936.039984	447.954851	1.01097E-05	0.009463099
936.079984	548.462305	1.2378E-05	0.011586826
936.119984	648.386333	1.46332E-05	0.013698409
936.159984	732.352575	1.65282E-05	0.015473018
936.199984	767.130916	1.73131E-05	0.016208502
936.239984	777.662023	1.75507E-05	0.016431713
936.279984	764.538484	1.72546E-05	0.016155107
936.319984	698.390998	1.57617E-05	0.014758006
936.359984	580.335413	1.30974E-05	0.012263846
936.399984	512.580537	1.15682E-05	0.010832489
936.439984	478.678914	1.08031E-05	0.01011647
936.479984	409.764908	9.24782E-06	0.008660401
936.519984	362.410354	8.1791E-06	0.007659888
936.559984	361.33518	8.15483E-06	0.007637489
936.599984	390.940804	8.82299E-06	0.008263612
936.639984	387.627605	8.74822E-06	0.008193928
936.679984	363.72111	8.20868E-06	0.007688905
936.719984	348.431001	7.8636E-06	0.007365993
936.759984	375.768942	8.48058E-06	0.00794427
936.799984	386.306034	8.71839E-06	0.008167387
936.839984	357.500326	8.06828E-06	0.007558691
936.879984	350.083712	7.9009E-06	0.007402197
936.919984	353.596177	7.98017E-06	0.007476784
936.959984	415.204734	9.37059E-06	0.00877987
936.999984	493.686086	1.11418E-05	0.010439873
937.039984	638.440375	1.44087E-05	0.013501537
937.079984	781.862418	1.76455E-05	0.016535288
937.119984	903.042769	2.03804E-05	0.019098896
937.159984	993.66074	2.24255E-05	0.021016318
937.199984	1032.102205	2.32931E-05	0.021830302
937.239984	1042.824508	2.35351E-05	0.022058034
937.279984	987.71317	2.22913E-05	0.020893199
937.319984	869.130759	1.96151E-05	0.018385598
937.359984	790.237695	1.78346E-05	0.016717407
937.399984	799.236514	1.80377E-05	0.016908497
937.439984	831.463782	1.8765E-05	0.017591042
937.479984	826.597917	1.86552E-05	0.017488843
937.519984	767.040807	1.7311E-05	0.016229448

937.559984	685.612649	1.54733E-05	0.014507168
937.599984	569.628044	1.28557E-05	0.012053515
937.639984	466.192607	1.05213E-05	0.009865208
937.679984	395.499931	8.92588E-06	0.008369621
937.719984	372.593924	8.40893E-06	0.007885218
937.759984	375.145416	8.46651E-06	0.007939554
937.799984	379.572421	8.56642E-06	0.008033589
937.839984	350.514429	7.91062E-06	0.007418898
937.879984	310.539946	7.00845E-06	0.006573089
937.919984	306.626794	6.92014E-06	0.006490537
937.959984	327.329765	7.38738E-06	0.006929064
937.999984	377.360718	8.51651E-06	0.007988482
938.039984	452.386182	1.02097E-05	0.009577131
938.079984	521.834874	1.17771E-05	0.011047849
938.119984	640.351731	1.44518E-05	0.013557566
938.159984	752.803832	1.69897E-05	0.015939089
938.199983	802.368214	1.81083E-05	0.016989238
938.239983	808.985004	1.82577E-05	0.017130071
938.279983	781.929955	1.76471E-05	0.016557892
938.319983	740.912294	1.67214E-05	0.015689985
938.359983	689.721356	1.55661E-05	0.014606559
938.399983	643.15855	1.45152E-05	0.013621057
938.439983	616.578411	1.39153E-05	0.013058689
938.479983	579.862523	1.30867E-05	0.012281596
938.519983	548.33712	1.23752E-05	0.011614377
938.559983	487.975655	1.10129E-05	0.010336296
938.599983	471.744717	1.06466E-05	0.009992918
938.639983	466.357349	1.0525E-05	0.009879219
938.679983	409.169063	9.23438E-06	0.008668124
938.719983	384.607155	8.68005E-06	0.008148134
938.759983	386.135464	8.71454E-06	0.008180861
938.799983	394.474093	8.90273E-06	0.008357884
938.839983	419.618152	9.4702E-06	0.008891
938.879983	450.512754	1.01674E-05	0.009546011
938.919983	482.133874	1.08811E-05	0.010216473
938.959983	518.698008	1.17063E-05	0.010991739
938.999983	579.599814	1.30808E-05	0.012282834
939.039983	702.910752	1.58637E-05	0.014896664
939.079983	893.266283	2.01598E-05	0.018931642
939.119983	1074.25947	2.42445E-05	0.022768532
939.159983	1182.577925	2.66891E-05	0.025065369
939.199983	1251.976226	2.82554E-05	0.026537433
939.239983	1178.302259	2.65926E-05	0.024976871
939.279983	1015.201618	2.29117E-05	0.021520488
939.319983	845.318523	1.90777E-05	0.017920029
939.359983	705.976393	1.59329E-05	0.014966732

939.399983	578.093812	1.30468E-05	0.012256138
939.439983	487.399097	1.09999E-05	0.010333763
939.479983	455.461213	1.02791E-05	0.009657032
939.519983	412.305114	9.30515E-06	0.008742376
939.559983	391.124158	8.82713E-06	0.008293616
939.599983	386.955759	8.73305E-06	0.008205576
939.639983	386.454408	8.72174E-06	0.008195293
939.679983	375.249996	8.46887E-06	0.007958027
939.719983	374.880514	8.46053E-06	0.00795053
939.759983	376.8283	8.50449E-06	0.007992179
939.799983	350.218113	7.90393E-06	0.007428118
939.839983	333.087524	7.51732E-06	0.007065079
939.879983	344.871927	7.78328E-06	0.007315348
939.919983	371.660633	8.38786E-06	0.00788392
939.959983	402.619508	9.08656E-06	0.008541004
939.999983	441.276982	9.95901E-06	0.009361466
940.039983	549.632225	1.24044E-05	0.011660664
940.079983	723.346486	1.63249E-05	0.015346733
940.119983	880.351279	1.98683E-05	0.018678588
940.159983	990.931139	2.23639E-05	0.021025677
940.199983	1050.579218	2.37101E-05	0.022292245
940.239983	1026.244761	2.31609E-05	0.021776818
940.279983	923.838372	2.08497E-05	0.019604598
940.319983	788.466993	1.77946E-05	0.01673262
940.359983	622.179515	1.40417E-05	0.013204276
940.399983	491.89746	1.11014E-05	0.010439794
940.439983	431.754784	9.7441E-06	0.009163745
940.479983	402.31607	9.07971E-06	0.008539289
940.519983	400.635133	9.04178E-06	0.008503972
940.559983	407.875394	9.20518E-06	0.008658023
940.599983	396.556798	8.94973E-06	0.00841812
940.639983	411.156245	9.27922E-06	0.008728409
940.679983	423.538427	9.55867E-06	0.008991652
940.719983	456.868146	1.03109E-05	0.009699649
940.759983	454.829293	1.02649E-05	0.009656773
940.799983	418.334045	9.44122E-06	0.008882297
940.839983	425.465791	9.60217E-06	0.009034106
940.879983	433.127963	9.77509E-06	0.009197191
940.919983	446.336147	1.00732E-05	0.009478061
940.959983	535.295856	1.20809E-05	0.011367626
940.999983	663.691368	1.49786E-05	0.014094853
941.039983	795.78052	1.79597E-05	0.016900756
941.079983	959.030013	2.1644E-05	0.020368708
941.119983	1158.33737	2.61421E-05	0.024602816
941.159983	1329.277985	3E-05	0.028234755
941.199983	1392.713551	3.14316E-05	0.029583426

941.239983	1319.75173	2.9785E-05	0.028034794
941.279983	1124.129162	2.537E-05	0.023880301
941.319983	913.380843	2.06137E-05	0.019404119
941.359983	748.197482	1.68858E-05	0.015895593
941.399983	577.751426	1.3039E-05	0.012274957
941.439983	440.114494	9.93277E-06	0.009351108
941.479983	340.398723	7.68233E-06	0.007232755
941.519983	294.368081	6.64348E-06	0.006254967
941.559983	303.29413	6.84493E-06	0.006444908
941.599983	312.703003	7.05727E-06	0.006645126
941.639983	323.440802	7.29961E-06	0.006873603
941.679983	352.989773	7.96649E-06	0.007501882
941.719983	371.014254	8.37327E-06	0.00788528
941.759983	404.032846	9.11846E-06	0.008587399
941.799983	398.85185	9.00153E-06	0.008477641
941.839983	355.92367	8.0327E-06	0.007565519
941.879983	332.877585	7.51258E-06	0.007075952
941.919983	342.207402	7.72314E-06	0.007274584
941.959983	380.316302	8.58321E-06	0.00808504
941.999983	460.257864	1.03874E-05	0.009784911
942.039983	576.282959	1.30059E-05	0.012252081
942.079983	692.924775	1.56383E-05	0.014732574
942.119983	811.974381	1.83251E-05	0.017264472
942.159983	942.613707	2.12735E-05	0.02004302
942.199983	956.900211	2.15959E-05	0.020347661
942.239983	893.331839	2.01613E-05	0.018996741
942.279983	842.892084	1.90229E-05	0.017924898
942.319983	754.527166	1.70286E-05	0.016046416
942.359983	616.467206	1.39128E-05	0.013110872
942.399983	480.865476	1.08525E-05	0.010227362
942.439983	411.024375	9.27625E-06	0.008742307
942.479983	377.203082	8.51295E-06	0.008023283
942.519983	381.122145	8.6014E-06	0.008106988
942.559983	400.073889	9.02911E-06	0.008510478
942.599983	406.47055	9.17347E-06	0.008646917
942.639983	415.61441	9.37984E-06	0.008841811
942.679983	422.842915	9.54298E-06	0.008995972
942.719983	426.409701	9.62347E-06	0.00907224
942.759983	429.448797	9.69206E-06	0.009137287
942.799983	414.018144	9.34381E-06	0.008809347
942.839983	385.109998	8.6914E-06	0.008194596
942.879983	374.223475	8.4457E-06	0.007963284
942.919983	390.156761	8.80529E-06	0.008302688
942.959983	440.544278	9.94247E-06	0.009375352
942.999983	531.81657	1.20024E-05	0.011318225
943.039983	657.401354	1.48366E-05	0.013991538

943.079983	782.349613	1.76565E-05	0.01665153
943.119983	902.98049	2.0379E-05	0.019219853
943.159983	1009.926379	2.27926E-05	0.021497098
943.199983	1096.665132	2.47502E-05	0.023344392
943.239983	1066.925099	2.4079E-05	0.022712288
943.279983	954.399371	2.15395E-05	0.020317746
943.319983	820.463922	1.85167E-05	0.017467199
943.359983	679.300513	1.53309E-05	0.014462526
943.399983	528.030171	1.19169E-05	0.011242408
943.439983	431.106282	9.72947E-06	0.009179169
943.479983	398.041743	8.98325E-06	0.008475514
943.519983	392.329398	8.85433E-06	0.008354235
943.559983	395.194518	8.91899E-06	0.008415602
943.599983	383.247651	8.64937E-06	0.008161541
943.639983	369.329825	8.33526E-06	0.007865484
943.679983	376.67518	8.50103E-06	0.008022256
943.719983	390.711065	8.8178E-06	0.008321538
943.759983	382.186272	8.62541E-06	0.008140319
943.799983	382.702165	8.63705E-06	0.008151652
943.839983	395.022462	8.91511E-06	0.008414434
943.879983	378.446925	8.54102E-06	0.008061698
943.919983	353.277363	7.97298E-06	0.007525853
943.959983	363.023168	8.19293E-06	0.007733795
943.999983	409.923464	9.2514E-06	0.008733323
944.039983	493.218868	1.11313E-05	0.010508357
944.079983	590.289795	1.3322E-05	0.012577051
944.119983	682.703238	1.54077E-05	0.014546681
944.159983	770.608893	1.73916E-05	0.016420424
944.199983	811.958392	1.83248E-05	0.017302247
944.239983	804.093744	1.81473E-05	0.017135383
944.279983	760.346541	1.716E-05	0.016203809
944.319983	664.342131	1.49933E-05	0.014158451
944.359983	586.749943	1.32421E-05	0.012505337
944.399983	539.439537	1.21744E-05	0.011497502
944.439983	487.953753	1.10124E-05	0.010400585
944.479983	457.668972	1.0329E-05	0.009755488
944.519983	483.407877	1.09098E-05	0.010304564
944.559983	494.634396	1.11632E-05	0.010544321
944.599983	448.356697	1.01188E-05	0.009558205
944.639983	378.86633	8.55049E-06	0.00807713
944.679983	353.337143	7.97433E-06	0.007533187
944.719983	378.213297	8.53575E-06	0.008063891
944.759983	394.640084	8.90648E-06	0.008414483
944.799983	367.529319	8.29462E-06	0.007836761
944.839983	332.160238	7.49639E-06	0.007082893
944.879983	339.618195	7.66471E-06	0.007242231

944.919983	367.866488	8.30223E-06	0.007844947
944.959983	375.44828	8.47334E-06	0.008006972
944.999983	410.902819	9.2735E-06	0.008763461
945.039983	520.045229	1.17367E-05	0.011091647
945.079983	680.483752	1.53576E-05	0.014514132
945.119983	810.877137	1.83004E-05	0.017296043
945.159983	902.471492	2.03675E-05	0.019250569
945.199983	957.324226	2.16055E-05	0.020421494
945.239983	937.465143	2.11573E-05	0.019998709
945.279983	838.92764	1.89334E-05	0.017897391
945.319983	714.144578	1.61172E-05	0.015235957
945.359983	604.944473	1.36528E-05	0.012906767
945.399983	500.941428	1.13056E-05	0.010688267
945.439983	423.196612	9.55096E-06	0.009029858
945.479983	383.114204	8.64635E-06	0.008174955
945.519983	375.399019	8.47223E-06	0.008010666
945.559983	364.492141	8.22608E-06	0.007778252
945.599983	380.354942	8.58408E-06	0.008117107
945.639983	411.990824	9.29806E-06	0.008792616
945.679983	406.657081	9.17768E-06	0.008679152
945.719983	391.795942	8.84229E-06	0.008362329
945.759983	366.577769	8.27315E-06	0.007824414
945.799983	327.300851	7.38672E-06	0.006986364
945.839983	309.304008	6.98056E-06	0.006602493
945.879983	316.973226	7.15364E-06	0.006766489
945.919983	321.173358	7.24844E-06	0.00685644
945.959983	346.572609	7.82166E-06	0.007398978
945.999983	399.204665	9.00949E-06	0.00852298
946.039983	452.851072	1.02202E-05	0.009668735
946.079983	538.269029	1.2148E-05	0.011492963
946.119983	634.582339	1.43216E-05	0.013549989
946.159983	719.254929	1.62326E-05	0.015358619
946.199983	773.892772	1.74657E-05	0.016526028
946.239983	762.334735	1.72048E-05	0.016279901
946.279983	694.10762	1.5665E-05	0.014823516
946.319983	585.37065	1.3211E-05	0.012501834
946.359983	490.705161	1.10745E-05	0.010480494
946.399983	432.126936	9.7525E-06	0.009229769
946.439983	396.987233	8.95945E-06	0.008479581
946.479983	362.789898	8.18766E-06	0.007749459
946.519983	349.847844	7.89558E-06	0.007473323
946.559983	358.713577	8.09567E-06	0.007663033
946.599983	373.608897	8.43183E-06	0.007981572
946.639983	368.044515	8.30625E-06	0.00786303
946.679983	379.971323	8.57542E-06	0.008118182
946.719983	400.525753	9.03931E-06	0.008557694

946.759983	406.606969	9.17655E-06	0.008687993
946.799983	400.546479	9.03978E-06	0.00855886
946.839983	366.03483	8.2609E-06	0.007821747
946.879983	338.142647	7.63141E-06	0.007226028
946.919983	371.950194	8.3944E-06	0.007948823
946.959983	434.19893	9.79927E-06	0.009279512
946.999983	517.32686	1.16753E-05	0.011056553
947.039983	624.758351	1.40999E-05	0.013353193
947.079983	721.221489	1.6277E-05	0.015415587
947.119983	806.600471	1.82038E-05	0.017241229
947.159983	928.022597	2.09442E-05	0.019837487
947.199983	995.422957	2.24653E-05	0.021279141
947.239983	958.790312	2.16386E-05	0.020496911
947.279983	885.254328	1.9979E-05	0.018925666
947.319983	775.065968	1.74922E-05	0.016570672
947.359983	632.074207	1.4265E-05	0.013514123
947.399983	522.975498	1.18028E-05	0.011182
947.439983	438.595107	9.89848E-06	0.009378216
947.479983	369.053059	8.32901E-06	0.007891574
947.519983	325.492691	7.34592E-06	0.006960403
947.559983	318.163048	7.1805E-06	0.006803951
947.599983	304.19141	6.86518E-06	0.006505441
947.639983	299.01888	6.74844E-06	0.006395091
947.679983	299.475583	6.75875E-06	0.006405129
947.719983	294.341978	6.64289E-06	0.006295598
947.759983	323.467508	7.30021E-06	0.006918848
947.799983	342.067395	7.71998E-06	0.007317001
947.839983	314.358698	7.09464E-06	0.006724582
947.879983	314.996562	7.10903E-06	0.006738511
947.919983	334.319222	7.54512E-06	0.007152169
947.959983	353.280329	7.97304E-06	0.007558128
947.999983	392.439338	8.85681E-06	0.008396255
948.039983	465.831824	1.05132E-05	0.009966911
948.079983	571.240477	1.28921E-05	0.012222744
948.119983	667.450098	1.50634E-05	0.014281929
948.159983	733.987824	1.65651E-05	0.015706349
948.199983	760.723232	1.71685E-05	0.016279137
948.239983	750.241056	1.69319E-05	0.0160555
948.279983	719.152193	1.62303E-05	0.015390834
948.319983	656.445393	1.48151E-05	0.014049416
948.359983	563.374445	1.27146E-05	0.012057996
948.399983	460.821334	1.04001E-05	0.009863451
948.439983	382.048461	8.6223E-06	0.008177736
948.479983	338.621704	7.64222E-06	0.007248493
948.519983	328.275054	7.40871E-06	0.00702731
948.559983	309.929222	6.99467E-06	0.006634865

948.599983	300.0656	6.77206E-06	0.006423979
948.639983	304.90319	6.88124E-06	0.00652782
948.679983	338.335947	7.63577E-06	0.007243903
948.719983	376.809309	8.50406E-06	0.008067973
948.759983	377.209706	8.5131E-06	0.008076886
948.799983	362.007278	8.17E-06	0.007751696
948.839983	332.127393	7.49565E-06	0.007112175
948.879983	304.095034	6.863E-06	0.006512165
948.919983	320.338867	7.2296E-06	0.006860314
948.959983	392.560546	8.85954E-06	0.008407353
948.999983	502.334745	1.1337E-05	0.010758809
949.039983	616.476852	1.3913E-05	0.013204016
949.079983	777.087404	1.75378E-05	0.016644756
949.119983	971.282855	2.19205E-05	0.020805186
949.159983	1100.112175	2.4828E-05	0.023565744
949.199983	1112.269054	2.51024E-05	0.023827163
949.239983	1054.979258	2.38094E-05	0.022600846
949.279983	965.730273	2.17952E-05	0.020689735
949.319983	836.592494	1.88807E-05	0.017923852
949.359983	701.756267	1.58377E-05	0.015035642
949.399983	605.37879	1.36626E-05	0.01297123
949.439983	487.518843	1.10026E-05	0.010446329
949.479983	371.765063	8.39022E-06	0.007966346
949.519983	310.145589	6.99955E-06	0.006646216
949.559983	292.817515	6.60848E-06	0.006275151
949.599983	318.245502	7.18236E-06	0.006820367
949.639983	351.370746	7.92995E-06	0.007530596
949.679983	338.900205	7.64851E-06	0.007263633
949.719983	305.296049	6.89011E-06	0.006543672
949.759983	303.524228	6.85012E-06	0.006505969
949.799983	328.534973	7.41458E-06	0.007042365
949.839983	330.943938	7.46894E-06	0.007094301
949.879983	328.79796	7.42051E-06	0.007048596
949.919983	341.789477	7.71371E-06	0.00732741
949.959983	345.363961	7.79438E-06	0.007404352
949.999983	376.543981	8.49807E-06	0.008073169
950.039983	461.481693	1.0415E-05	0.009894665
950.079983	561.123159	1.26638E-05	0.012031593
950.119983	641.211912	1.44713E-05	0.013749433
950.159983	710.092872	1.60258E-05	0.015227081
950.199983	738.890605	1.66757E-05	0.01584528
950.239983	739.352548	1.66862E-05	0.015855854
950.279983	698.294593	1.57595E-05	0.014975972
950.319983	637.053696	1.43774E-05	0.013663144
950.359983	522.619438	1.17948E-05	0.011209299
950.399983	410.093055	9.25523E-06	0.00879617

950.439983	350.903529	7.9194E-06	0.007526918
950.479983	344.747049	7.78046E-06	0.007395172
950.519983	349.35672	7.88449E-06	0.00749437
950.559983	352.324551	7.95147E-06	0.007558353
950.599983	354.32915	7.99672E-06	0.007601678
950.639983	350.039394	7.8999E-06	0.007509962
950.679983	345.685363	7.80164E-06	0.00741686
950.719983	359.754313	8.11915E-06	0.007719042
950.759983	394.194113	8.89641E-06	0.008458353
950.799983	413.212086	9.32562E-06	0.008866801
950.839983	420.512811	9.49039E-06	0.009023841
950.879983	398.943924	9.00361E-06	0.008561351
950.919983	380.130245	8.57901E-06	0.008157952
950.959983	449.435115	1.01431E-05	0.009645706
950.999983	584.487878	1.31911E-05	0.012544714
951.039983	735.382697	1.65966E-05	0.015783995
951.079983	887.445647	2.00284E-05	0.019048622
951.119983	1041.792642	2.35118E-05	0.022362551
951.159983	1127.354036	2.54428E-05	0.024200183
951.199983	1103.591895	2.49065E-05	0.023691093
951.239983	1053.445214	2.37748E-05	0.022615532
951.279983	959.875589	2.16631E-05	0.020607631
951.319983	808.213674	1.82403E-05	0.017352321
951.359983	670.763137	1.51382E-05	0.014401868
951.399983	566.113216	1.27764E-05	0.012155454
951.439983	484.827313	1.09419E-05	0.010410539
951.479983	412.437723	9.30814E-06	0.008856514
951.519983	358.891413	8.09968E-06	0.007707007
951.559983	308.080127	6.95294E-06	0.006616139
951.599983	289.909915	6.54286E-06	0.006226188
951.639983	334.517296	7.54959E-06	0.007184491
951.679983	352.619055	7.95812E-06	0.007573584
951.719983	356.952311	8.05592E-06	0.007666977
951.759983	341.064658	7.69735E-06	0.007326034
951.799983	300.261406	6.77648E-06	0.006449855
951.839983	282.520697	6.3761E-06	0.006069026
951.879983	329.36077	7.43321E-06	0.007075527
951.919983	380.886619	8.59608E-06	0.008182781
951.959983	376.412154	8.4951E-06	0.008086993
951.999983	391.454989	8.83459E-06	0.008410533
952.039983	466.0898	1.0519E-05	0.010014506
952.079983	571.493882	1.28978E-05	0.012279757
952.119983	676.679736	1.52717E-05	0.014540509
952.159983	770.602886	1.73914E-05	0.016559427
952.199983	823.02939	1.85746E-05	0.017686759
952.239983	816.717875	1.84322E-05	0.017551863

952.279983	746.761296	1.68534E-05	0.01604912
952.319983	669.857058	1.51177E-05	0.014396927
952.359983	608.090938	1.37238E-05	0.013069965
952.399983	508.916108	1.14855E-05	0.010938816
952.439983	431.076658	9.7288E-06	0.009266098
952.479983	401.060109	9.05137E-06	0.008621247
952.519983	390.709141	8.81776E-06	0.008399094
952.559983	386.578014	8.72453E-06	0.008310636
952.599983	407.235655	9.19074E-06	0.0087551
952.639983	406.01248	9.16314E-06	0.00872917
952.679983	403.646072	9.10973E-06	0.008678657
952.719983	426.32653	9.6216E-06	0.009166687
952.759983	428.089852	9.66139E-06	0.009204987
952.799983	410.521823	9.26491E-06	0.008827602
952.839983	422.497797	9.53519E-06	0.009085507
952.879983	417.6184	9.42507E-06	0.008980956
952.919983	438.209394	9.88978E-06	0.009424165
952.959983	528.869287	1.19358E-05	0.011374381
952.999983	626.232979	1.41332E-05	0.013468945
953.039983	726.705324	1.64007E-05	0.015630549
953.079983	871.667051	1.96723E-05	0.018749286
953.119983	1014.645386	2.28991E-05	0.021825621
953.159983	1039.561057	2.34614E-05	0.022362511
953.199983	1015.502363	2.29185E-05	0.021845889
953.239983	1003.423476	2.26459E-05	0.021586949
953.279983	908.992129	2.05147E-05	0.01955624
953.319983	771.381341	1.7409E-05	0.01659635
953.359983	641.429857	1.44762E-05	0.013801009
953.399983	530.03929	1.19622E-05	0.011404808
953.439983	471.640722	1.06443E-05	0.010148677
953.479983	415.471575	9.37661E-06	0.008940414
953.519983	375.040269	8.46414E-06	0.008070723
953.559983	371.066844	8.37446E-06	0.007985552
953.599983	376.796336	8.50377E-06	0.008109193
953.639983	351.650418	7.93626E-06	0.007568335
953.679983	329.858273	7.44444E-06	0.007099615
953.719983	344.600146	7.77715E-06	0.007417219
953.759983	340.819572	7.69182E-06	0.007336153
953.799983	349.698012	7.8922E-06	0.007527577
953.839983	368.471921	8.3159E-06	0.007932036
953.879983	384.397744	8.67532E-06	0.008275216
953.919983	378.773888	8.5484E-06	0.008154489
953.959983	363.394713	8.20131E-06	0.007823724
953.999983	391.151976	8.82776E-06	0.008421678
954.039983	459.278821	1.03653E-05	0.009888895
954.079983	577.1453	1.30254E-05	0.012427241

954.119983	722.380005	1.63031E-05	0.015555124
954.159983	836.087834	1.88693E-05	0.018004367
954.199983	835.754895	1.88618E-05	0.017997952
954.239983	823.510848	1.85855E-05	0.01773502
954.279983	758.630089	1.71212E-05	0.016338442
954.319983	636.348032	1.43615E-05	0.013705456
954.359983	570.6992	1.28799E-05	0.012292048
954.399983	494.201974	1.11535E-05	0.010644853
954.439983	435.726461	9.83374E-06	0.009385714
954.479983	389.080859	8.78101E-06	0.008381301
954.519983	353.848717	7.98587E-06	0.007622675
954.559983	341.06829	7.69744E-06	0.007347665
954.599983	361.557081	8.15984E-06	0.007789383
954.639983	372.763415	8.41275E-06	0.008031149
954.679983	390.023693	8.80229E-06	0.008403371
954.719983	411.98084	9.29783E-06	0.008876828
954.759983	415.289202	9.3725E-06	0.008948487
954.799983	410.437563	9.263E-06	0.008844316
954.839983	387.807305	8.75227E-06	0.008357018
954.879983	383.248169	8.64938E-06	0.008259117
954.919983	412.406817	9.30745E-06	0.008887868
954.959983	474.508219	1.0709E-05	0.010226656
954.999983	557.892841	1.25909E-05	0.012024275
955.039983	661.194689	1.49222E-05	0.014251339
955.079983	792.708759	1.78903E-05	0.017086698
955.119983	915.160779	2.06539E-05	0.019726957
955.159983	971.247408	2.19197E-05	0.020936821
955.199983	947.096861	2.13747E-05	0.020417072
955.239983	888.683453	2.00563E-05	0.019158625
955.279983	792.715788	1.78905E-05	0.017090428
955.319983	703.110256	1.58682E-05	0.015159227
955.359983	613.017856	1.3835E-05	0.013217366
955.399983	504.870578	1.13942E-05	0.010886043
955.439983	445.722004	1.00593E-05	0.009611081
955.479983	436.882454	9.85983E-06	0.009420869
955.519983	396.754851	8.9542E-06	0.008555921
955.559983	347.737594	7.84795E-06	0.00749919
955.599983	335.567392	7.57329E-06	0.007237034
955.639983	352.452355	7.95436E-06	0.007601503
955.679983	378.250455	8.53659E-06	0.008158244
955.719983	388.963275	8.77836E-06	0.008389653
955.759983	379.469748	8.5641E-06	0.008185228
955.799983	361.841692	8.16626E-06	0.007805314
955.839983	355.127149	8.01473E-06	0.007660795
955.879983	340.161657	7.67697E-06	0.007338267
955.919983	321.442456	7.25451E-06	0.00693473

955.959983	332.528868	7.50471E-06	0.007174206
955.999983	399.785896	9.02261E-06	0.008625616
956.039983	501.7223	1.13232E-05	0.010825407
956.079983	614.669406	1.38722E-05	0.013262964
956.119983	655.891022	1.48025E-05	0.014153011
956.159983	689.450297	1.55599E-05	0.014877785
956.199983	761.925204	1.71956E-05	0.016442423
956.239983	781.805633	1.76443E-05	0.016872151
956.279983	718.310437	1.62113E-05	0.015502509
956.319983	638.391727	1.44076E-05	0.013778287
956.359983	587.433693	1.32576E-05	0.012679
956.399983	509.743235	1.15042E-05	0.011002612
956.439983	440.391843	9.93903E-06	0.009506086
956.479983	384.443763	8.67636E-06	0.008298765
956.519983	340.720989	7.6896E-06	0.007355254
956.559983	345.89958	7.80647E-06	0.007467358
956.599983	382.062852	8.62263E-06	0.008248404
956.639983	392.484623	8.85783E-06	0.008473756
956.679983	413.915747	9.3415E-06	0.008936828
956.719983	443.854379	1.00172E-05	0.009583632
956.759983	468.681055	1.05775E-05	0.010120108
956.799983	441.410111	9.96201E-06	0.009531652
956.839983	381.67648	8.61391E-06	0.00824213
956.879983	366.231412	8.26533E-06	0.007908932
956.919983	370.841124	8.36937E-06	0.008008815
956.959983	408.931922	9.22902E-06	0.008831807
956.999983	460.713131	1.03977E-05	0.009950554
957.039983	529.310358	1.19458E-05	0.011432606
957.079983	637.240874	1.43816E-05	0.013764379
957.119983	757.222021	1.70894E-05	0.016356651
957.159983	878.052747	1.98164E-05	0.018967491
957.199983	935.795327	2.11196E-05	0.020215678
957.239983	914.585657	2.06409E-05	0.019758318
957.279983	880.402766	1.98695E-05	0.01902064
957.319983	766.910791	1.73081E-05	0.016569398
957.359983	609.603	1.37579E-05	0.013171254
957.399983	473.632544	1.06892E-05	0.010233866
957.439983	387.655646	8.74885E-06	0.008376497
957.479983	343.339064	7.74868E-06	0.00741921
957.519983	344.212702	7.7684E-06	0.007438399
957.559983	347.24978	7.83694E-06	0.007504344
957.599983	353.361825	7.97488E-06	0.007636749
957.639983	351.052187	7.92276E-06	0.007587151
957.679983	349.337435	7.88406E-06	0.007550406
957.719983	343.474765	7.75175E-06	0.007424003
957.759983	319.009547	7.1996E-06	0.00689549

957.799983	304.259554	6.86671E-06	0.006576939
957.839983	314.452326	7.09675E-06	0.006797552
957.879983	326.592673	7.37074E-06	0.007060286
957.919983	349.267363	7.88248E-06	0.007550783
957.959983	360.729497	8.14116E-06	0.007798908
957.999983	375.895557	8.48344E-06	0.008127135
958.039983	414.561762	9.35608E-06	0.0089635
958.079983	500.914905	1.1305E-05	0.010831048
958.119983	606.654114	1.36913E-05	0.013117945
958.159983	647.882787	1.46218E-05	0.014010035
958.199983	683.499824	1.54256E-05	0.014780847
958.239983	719.476031	1.62376E-05	0.015559491
958.279983	686.909351	1.55026E-05	0.014855819
958.319983	646.125581	1.45822E-05	0.01397437
958.359983	577.316702	1.30292E-05	0.012486696
958.399983	494.093797	1.1151E-05	0.010687127
958.439983	426.744544	9.63103E-06	0.009230764
958.479983	411.402859	9.28479E-06	0.008899285
958.519983	389.469663	8.78979E-06	0.008425187
958.559983	394.577355	8.90506E-06	0.008536035
958.599983	402.118332	9.07525E-06	0.008699535
958.639983	419.870992	9.4759E-06	0.00908398
958.679983	454.17925	1.02502E-05	0.009826655
958.719983	484.79559	1.09412E-05	0.01048951
958.759983	458.074037	1.03381E-05	0.00991175
958.799983	412.381773	9.30688E-06	0.008923439
958.839983	417.047586	9.41218E-06	0.009024777
958.879983	420.091733	9.48089E-06	0.009091031
958.919983	411.74877	9.2926E-06	0.008910856
958.959983	441.460987	9.96316E-06	0.009554271
958.999983	503.352344	1.136E-05	0.010894203
959.039983	604.016131	1.36318E-05	0.013073444
959.079983	742.844733	1.6765E-05	0.016078948
959.119983	884.211156	1.99554E-05	0.019139637
959.159983	996.14106	2.24815E-05	0.021563371
959.199983	1013.303482	2.28688E-05	0.021935799
959.239983	954.047067	2.15315E-05	0.020653889
959.279983	875.442197	1.97575E-05	0.018952985
959.319983	764.793484	1.72603E-05	0.016558173
959.359983	647.059927	1.46032E-05	0.014009765
959.399983	529.122788	1.19416E-05	0.011456737
959.439983	391.659555	8.83921E-06	0.008480692
959.479983	302.169292	6.81954E-06	0.006543212
959.519983	287.80057	6.49526E-06	0.00623233
959.559983	302.566521	6.8285E-06	0.00655236
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959.639983	357.396205	8.06593E-06	0.007740393
959.679983	346.062635	7.81015E-06	0.007495246
959.719983	337.594821	7.61904E-06	0.00731215
959.759983	344.913979	7.78423E-06	0.007470991
959.799983	369.632114	8.34208E-06	0.00800673
959.839983	365.937604	8.2587E-06	0.007927032
959.879983	336.534639	7.59512E-06	0.007290402
959.919983	332.562883	7.50548E-06	0.007204661
959.959983	339.804258	7.66891E-06	0.007361846
959.999983	355.849846	8.03104E-06	0.007709794
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960.079983	490.035846	1.10594E-05	0.010617934
960.119983	619.346	1.39778E-05	0.013420343
960.159983	677.275229	1.52852E-05	0.014676198
960.199983	708.840222	1.59975E-05	0.015360834
960.239983	696.992944	1.57302E-05	0.015104728
960.279983	636.607712	1.43673E-05	0.013796678
960.319983	565.738898	1.27679E-05	0.012261307
960.359983	514.772766	1.16177E-05	0.011157178
960.399983	458.283289	1.03428E-05	0.00993324
960.439983	422.332992	9.53147E-06	0.009154402
960.479983	447.766842	1.01055E-05	0.009706105
960.519983	508.985668	1.14871E-05	0.011033587
960.559983	508.712882	1.14809E-05	0.011028133
960.599983	488.572626	1.10264E-05	0.010591963
960.639983	467.430937	1.05493E-05	0.010134046
960.679983	433.318078	9.77939E-06	0.00939486
960.719983	403.279396	9.10145E-06	0.008743949
960.759983	360.509555	8.1362E-06	0.007816934
960.799983	338.58575	7.64141E-06	0.007341865
960.839983	355.646326	8.02644E-06	0.007712127
960.879983	376.103321	8.48813E-06	0.008156072
960.919983	409.061466	9.23195E-06	0.008871163
960.959983	438.314801	9.89215E-06	0.009505965
960.999983	461.350478	1.0412E-05	0.010005968
961.039983	513.416121	1.15871E-05	0.011135654
961.079983	607.623194	1.37132E-05	0.013179491
961.119983	737.69989	1.66489E-05	0.016001551
961.159983	829.334165	1.87169E-05	0.017989952
961.199983	825.905645	1.86395E-05	0.017916326
961.239983	803.449341	1.81327E-05	0.017429907
961.279983	780.390582	1.76123E-05	0.016930379
961.319983	701.054889	1.58218E-05	0.015209844
961.359983	593.830183	1.34019E-05	0.01288407
961.399983	493.803011	1.11444E-05	0.01071427
961.439983	428.343393	9.66711E-06	0.00929435

961.479983	393.891039	8.88957E-06	0.008547146
961.519983	372.067014	8.39703E-06	0.008073916
961.559983	336.100139	7.58531E-06	0.007293732
961.599983	325.790673	7.35264E-06	0.0070703
961.639983	344.853278	7.78286E-06	0.007484308
961.679983	348.956674	7.87547E-06	0.007573678
961.719983	356.927035	8.05535E-06	0.007746987
961.759983	343.252566	7.74673E-06	0.007450497
961.799983	316.900392	7.152E-06	0.006878794
961.839983	314.22085	7.09153E-06	0.006820914
961.879983	302.911678	6.83629E-06	0.006575695
961.919983	301.166584	6.79691E-06	0.006538084
961.959983	337.89959	7.62592E-06	0.007335833
961.999983	394.711559	8.90809E-06	0.008569583
962.039983	470.102253	1.06096E-05	0.010206814
962.079983	536.763055	1.2114E-05	0.011654632
962.119983	570.123472	1.28669E-05	0.012379495
962.159983	609.20488	1.37489E-05	0.013228647
962.199983	633.656711	1.43007E-05	0.013760181
962.239983	667.626339	1.50674E-05	0.014498451
962.279983	683.291249	1.54209E-05	0.014839254
962.319983	623.284001	1.40667E-05	0.01353662
962.359983	539.803006	1.21826E-05	0.011724049
962.399983	485.796439	1.09637E-05	0.010551512
962.439983	419.964306	9.47801E-06	0.009122015
962.479983	366.10295	8.26243E-06	0.007952427
962.519983	333.560316	7.52799E-06	0.007245842
962.559983	331.239511	7.47561E-06	0.007195727
962.599983	339.347155	7.65859E-06	0.007372161
962.639983	348.743857	7.87066E-06	0.007576615
962.679983	354.171704	7.99316E-06	0.007694857
962.719983	374.687881	8.45618E-06	0.008140937
962.759983	384.10336	8.66868E-06	0.008345856
962.799983	388.435774	8.76645E-06	0.008440342
962.839983	404.660295	9.13262E-06	0.008793251
962.879983	406.167499	9.16663E-06	0.008826369
962.919983	407.029265	9.18608E-06	0.008845463
962.959983	458.119917	1.03391E-05	0.009956167
962.999983	543.06776	1.22563E-05	0.0118028
963.039983	634.574977	1.43215E-05	0.013792151
963.079983	714.481899	1.61249E-05	0.015529531
963.119983	862.838462	1.94731E-05	0.018754895
963.159983	1000.751211	2.25856E-05	0.021753508
963.199983	991.289016	2.2372E-05	0.021548722
963.239983	891.301811	2.01154E-05	0.019375996
963.279983	793.30483	1.79038E-05	0.017246358

963.319983	717.657023	1.61965E-05	0.015602431
963.359983	601.116797	1.35664E-05	0.013069297
963.399983	472.169196	1.06562E-05	0.010266184
963.439983	396.119431	8.93986E-06	0.008613022
963.479983	342.425763	7.72807E-06	0.007445843
963.519983	297.481505	6.71374E-06	0.006468826
963.559983	273.000293	6.16124E-06	0.005936721
963.599983	275.964462	6.22813E-06	0.006001429
963.639983	305.462954	6.89387E-06	0.006643212
963.679983	324.140675	7.3154E-06	0.007049708
963.719983	308.899225	6.97143E-06	0.006718502
963.759983	318.713304	7.19292E-06	0.006932244
963.799983	337.84739	7.62475E-06	0.007348729
963.839983	327.585694	7.39315E-06	0.007125816
963.879983	313.186798	7.06819E-06	0.006812887
963.919983	318.080699	7.17864E-06	0.006919633
963.959983	328.163951	7.4062E-06	0.007139284
963.999983	366.924017	8.28096E-06	0.007982849
964.039983	479.277631	1.08166E-05	0.010427662
964.079983	599.04253	1.35196E-05	0.013033933
964.119983	672.157952	1.51697E-05	0.014625381
964.159983	730.763322	1.64923E-05	0.015901226
964.199983	791.183429	1.78559E-05	0.017216666
964.239983	824.398755	1.86055E-05	0.017940197
964.279983	768.760452	1.73499E-05	0.016730116
964.319983	649.409463	1.46563E-05	0.014133331
964.359983	525.423921	1.18581E-05	0.011435464
964.399983	419.411325	9.46553E-06	0.009128556
964.439983	352.978165	7.96623E-06	0.007682946
964.479983	330.982943	7.46982E-06	0.007204496
964.519983	305.877963	6.90324E-06	0.006658313
964.559983	321.855776	7.26384E-06	0.007006406
964.599983	345.472239	7.79683E-06	0.007520819
964.639983	347.421727	7.84082E-06	0.007563573
964.679983	358.534793	8.09163E-06	0.007805834
964.719983	394.2699	8.89812E-06	0.008584197
964.759983	415.339565	9.37364E-06	0.009043308
964.799983	401.451918	9.06021E-06	0.008741291
964.839983	386.035572	8.71229E-06	0.008405961
964.879983	391.447526	8.83443E-06	0.00852416
964.919983	429.566226	9.69471E-06	0.009354621
964.959983	472.411711	1.06617E-05	0.010288089
964.999983	516.710939	1.16614E-05	0.011253295
965.039983	646.447258	1.45894E-05	0.014079368
965.079983	816.065463	1.84175E-05	0.017774323
965.119983	930.028275	2.09894E-05	0.020257331

965.159983	1026.510064	2.31669E-05	0.022359767
965.199983	1078.186532	2.43332E-05	0.023486374
965.239983	1015.836975	2.2926E-05	0.022129117
965.279983	913.82112	2.06237E-05	0.019907616
965.319983	827.326559	1.86716E-05	0.018024076
965.359983	740.637782	1.67152E-05	0.01613615
965.399983	631.530621	1.42528E-05	0.013759621
965.439983	582.743126	1.31517E-05	0.012697178
965.479983	584.878929	1.31999E-05	0.012744242
965.519983	567.223525	1.28014E-05	0.012360051
965.559983	536.408942	1.2106E-05	0.011689072
965.599983	533.279634	1.20354E-05	0.011621361
965.639983	497.519363	1.12283E-05	0.010842514
965.679983	442.066529	9.97683E-06	0.009634421
965.719983	379.367974	8.56181E-06	0.008268308
965.759983	348.1115	7.85639E-06	0.007587389
965.799983	342.004693	7.71857E-06	0.007454594
965.839983	320.601388	7.23553E-06	0.006988361
965.879983	291.209009	6.57218E-06	0.006347939
965.919983	293.274972	6.61881E-06	0.006393239
965.959983	357.639535	8.07143E-06	0.007796675
965.999983	428.485675	9.67032E-06	0.009341534
966.039983	477.719435	1.07815E-05	0.010415324
966.079983	562.568449	1.26964E-05	0.012265725
966.119983	665.312256	1.50152E-05	0.014506457
966.159983	745.275831	1.68198E-05	0.016250654
966.199983	768.397381	1.73417E-05	0.01675551
966.239983	742.097294	1.67481E-05	0.016182686
966.279983	712.184222	1.6073E-05	0.015531024
966.319983	634.603104	1.43221E-05	0.013839739
966.359983	520.013401	1.1736E-05	0.01134118
966.399983	472.685972	1.06679E-05	0.010309424
966.439983	466.505693	1.05284E-05	0.010175051
966.479983	471.094846	1.0632E-05	0.010275571
966.519983	470.473186	1.06179E-05	0.010262436
966.559983	467.541656	1.05518E-05	0.010198913
966.599983	481.793651	1.08734E-05	0.010510239
966.639983	479.035245	1.08112E-05	0.010450498
966.679983	463.974093	1.04712E-05	0.010122347
966.719983	452.44859	1.02111E-05	0.009871308
966.759983	423.791689	9.56439E-06	0.009246468
966.799983	400.951679	9.04892E-06	0.008748497
966.839983	405.667772	9.15536E-06	0.008851765
966.879983	428.029592	9.66003E-06	0.009340091
966.919983	463.597922	1.04628E-05	0.010116651
966.959983	547.40026	1.23541E-05	0.011945883

966.999983	645.028575	1.45574E-05	0.014077002
967.039983	763.622452	1.72339E-05	0.016665866
967.079983	917.162546	2.06991E-05	0.020017667
967.119983	1062.741088	2.39846E-05	0.023195972
967.159983	1165.951503	2.63139E-05	0.025449752
967.199983	1185.056811	2.67451E-05	0.025867842
967.239983	1149.154065	2.59348E-05	0.025085182
967.279983	1072.991794	2.42159E-05	0.023423585
967.319983	933.149394	2.10599E-05	0.020371645
967.359983	766.13094	1.72905E-05	0.016726146
967.399983	610.546652	1.37792E-05	0.013329986
967.439983	523.400286	1.18124E-05	0.011427803
967.479983	462.005022	1.04268E-05	0.01008773
967.519983	413.453901	9.33108E-06	0.009028005
967.559983	383.256562	8.64957E-06	0.008368975
967.599983	374.287961	8.44716E-06	0.00817347
967.639983	364.819171	8.23346E-06	0.007967026
967.679983	355.520922	8.02361E-06	0.007764289
967.719983	359.516467	8.11379E-06	0.007851873
967.759983	347.258023	7.83713E-06	0.007584461
967.799983	349.118603	7.87912E-06	0.007625413
967.839983	361.715444	8.16341E-06	0.007900878
967.879983	383.565685	8.65654E-06	0.008378495
967.919983	380.905611	8.59651E-06	0.008320733
967.959983	395.6502	8.92927E-06	0.00864318
967.999983	436.635167	9.85425E-06	0.009538911
968.039983	487.150759	1.09943E-05	0.010642936
968.079983	592.979363	1.33827E-05	0.012955542
968.119983	687.234608	1.55099E-05	0.015015471
968.159983	778.721619	1.75747E-05	0.017015085
968.199983	875.860878	1.9767E-05	0.01913837
968.239983	902.287734	2.03634E-05	0.019716636
968.279983	880.833039	1.98792E-05	0.019248607
968.319983	789.735844	1.78232E-05	0.017258598
968.359983	634.202664	1.43131E-05	0.013860205
968.399983	507.006169	1.14424E-05	0.011080842
968.439983	427.833862	9.65561E-06	0.009350883
968.479983	346.543831	7.82101E-06	0.007574493
968.519983	321.414649	7.25388E-06	0.007025529
968.559983	351.505886	7.933E-06	0.007683585
968.599983	368.206941	8.30992E-06	0.008048986
968.639983	379.127283	8.55637E-06	0.008288047
968.679983	375.555995	8.47578E-06	0.008210314
968.719983	370.817036	8.36882E-06	0.008107047
968.759983	382.065796	8.62269E-06	0.00835332
968.799983	400.32155	9.0347E-06	0.008752817

968.839983	395.858917	8.93398E-06	0.008655601
968.879983	416.562727	9.40124E-06	0.009108674
968.919983	456.274961	1.02975E-05	0.009977444
968.959983	482.227648	1.08832E-05	0.010545391
968.999983	521.275778	1.17645E-05	0.01139977
969.039983	622.672464	1.40529E-05	0.013617774
969.079983	785.228473	1.77215E-05	0.017173563
969.119983	922.157067	2.08118E-05	0.020169132
969.159983	1020.79552	2.30379E-05	0.022327443
969.199983	1056.856584	2.38518E-05	0.023117146
969.239983	1020.686826	2.30355E-05	0.022326908
969.279983	934.3098	2.10861E-05	0.020438306
969.319983	834.790954	1.88401E-05	0.018262055
969.359983	693.292105	1.56466E-05	0.015167224
969.399983	511.378762	1.15411E-05	0.011187948
969.439983	393.579187	8.88253E-06	0.008611084
969.479983	342.151	7.72187E-06	0.0074862
969.519983	343.972844	7.76299E-06	0.007526372
969.559983	352.065628	7.94563E-06	0.007703766
969.599983	332.356402	7.50082E-06	0.007272796
969.639983	322.218265	7.27202E-06	0.007051239
969.679983	329.480842	7.43592E-06	0.007210466
969.719983	336.470726	7.59368E-06	0.007363739
969.759983	359.62905	8.11633E-06	0.007870889
969.799983	366.865077	8.27963E-06	0.008029589
969.839983	348.316085	7.86101E-06	0.007623921
969.879983	340.070912	7.67493E-06	0.007443758
969.919983	353.406683	7.9759E-06	0.007735981
969.959983	368.119456	8.30794E-06	0.008058373
969.999983	384.136635	8.66943E-06	0.008409346
970.039983	426.063795	9.61567E-06	0.009327581
970.079983	502.524594	1.13413E-05	0.011001949
970.119983	602.631146	1.36005E-05	0.013194161
970.159983	684.093603	1.5439E-05	0.014978339
970.199983	728.393397	1.64388E-05	0.015948947
970.239983	730.305898	1.6482E-05	0.015991483
970.279983	685.870053	1.54791E-05	0.015019092
970.319983	617.265695	1.39308E-05	0.01351736
970.359983	540.224105	1.21921E-05	0.011830731
970.399983	459.317146	1.03661E-05	0.01005931
970.439983	385.054128	8.69014E-06	0.008433255
970.479983	326.993985	7.3798E-06	0.007161947
970.519983	313.334375	7.07152E-06	0.006863052
970.559983	336.05904	7.58438E-06	0.0073611
970.599983	361.563103	8.15998E-06	0.007920072
970.639983	366.455831	8.2704E-06	0.008027579

970.679983	365.778029	8.2551E-06	0.008013061
970.719983	373.862465	8.43756E-06	0.008190503
970.759983	376.063198	8.48722E-06	0.008239056
970.799983	376.033258	8.48655E-06	0.00823874
970.839983	386.261451	8.71738E-06	0.008463184
970.879983	381.375661	8.60712E-06	0.008356478
970.919983	377.667855	8.52344E-06	0.008275576
970.959983	416.626248	9.40267E-06	0.00912962
970.999983	482.231991	1.08833E-05	0.010567688
971.039983	540.542534	1.21993E-05	0.011846
971.079983	655.036758	1.47833E-05	0.014355735
971.119983	803.258362	1.81284E-05	0.017604873
971.159983	888.211519	2.00457E-05	0.019467579
971.199983	921.751761	2.08027E-05	0.020203537
971.239983	922.49083	2.08193E-05	0.020220569
971.279983	900.2934	2.03184E-05	0.019734824
971.319983	797.109981	1.79897E-05	0.017473718
971.359983	657.30449	1.48344E-05	0.014409588
971.399983	562.226631	1.26887E-05	0.012325776
971.439983	480.858069	1.08523E-05	0.010542355
971.479983	431.275916	9.7333E-06	0.009455703
971.519983	352.798367	7.96217E-06	0.007735405
971.559983	309.805785	6.99189E-06	0.006793036
971.599983	309.585311	6.98691E-06	0.006788481
971.639983	312.948379	7.06281E-06	0.006862508
971.679983	324.215864	7.3171E-06	0.00710988
971.719983	349.787496	7.89422E-06	0.007670968
971.759983	367.479301	8.2935E-06	0.008059288
971.799983	357.535344	8.06907E-06	0.007841527
971.839983	331.233956	7.47549E-06	0.007264979
971.879983	286.435293	6.46445E-06	0.006282665
971.919983	281.098494	6.344E-06	0.006165862
971.959983	312.79772	7.05941E-06	0.006861463
971.999983	398.699511	8.99809E-06	0.008746146
972.039983	501.520835	1.13186E-05	0.011002158
972.079983	574.563624	1.29671E-05	0.012605059
972.119983	664.468612	1.49961E-05	0.014578039
972.159983	687.098557	1.55069E-05	0.015075146
972.199983	671.302051	1.51504E-05	0.014729172
972.239983	673.032599	1.51894E-05	0.01476775
972.279983	645.517352	1.45684E-05	0.01416459
972.319983	605.042281	1.3655E-05	0.013276992
972.359983	577.907567	1.30426E-05	0.012682072
972.399983	504.223545	1.13796E-05	0.011065545
972.439983	417.03487	9.4119E-06	0.009152504
972.479983	373.131345	8.42105E-06	0.008189307

972.519983	348.26263	7.8598E-06	0.007643815
972.559983	343.998693	7.76357E-06	0.007550539
972.599983	335.205835	7.56513E-06	0.007357844
972.639983	315.002716	7.10917E-06	0.006914665
972.679983	331.312828	7.47727E-06	0.00727299
972.719983	371.578097	8.386E-06	0.00815723
972.759983	375.56515	8.47598E-06	0.008245096
972.799983	344.831495	7.78237E-06	0.007570686
972.839983	351.706244	7.93752E-06	0.007721937
972.879983	405.141549	9.14348E-06	0.008895509
972.919983	459.680239	1.03743E-05	0.010093405
972.959983	488.855806	1.10328E-05	0.010734468
972.999983	537.07416	1.2121E-05	0.011793748
973.039983	670.793381	1.51389E-05	0.014730728
973.079983	821.56191	1.85415E-05	0.01804237
973.119983	929.960438	2.09879E-05	0.020423756
973.159983	1044.97046	2.35835E-05	0.022950545
973.199983	1168.664468	2.63751E-05	0.025668275
973.239983	1221.744652	2.75731E-05	0.026835219
973.279983	1162.509495	2.62362E-05	0.025535188
973.319983	972.759342	2.19538E-05	0.021368095
973.359983	785.562761	1.77291E-05	0.017256755
973.399983	626.328579	1.41354E-05	0.013759363
973.439983	473.12495	1.06778E-05	0.010394169
973.479983	400.32801	9.03485E-06	0.008795241
973.519983	388.803371	8.77475E-06	0.008542395
973.559983	366.7173	8.2763E-06	0.008057473
973.599983	331.32583	7.47756E-06	0.007280155
973.639983	312.648022	7.05603E-06	0.006870033
973.679983	310.495292	7.00745E-06	0.00682301
973.719983	323.16462	7.29338E-06	0.007101705
973.759983	357.370824	8.06536E-06	0.007853726
973.799983	369.139713	8.33097E-06	0.008112698
973.839983	367.414857	8.29204E-06	0.008075122
973.879983	379.727099	8.56991E-06	0.008346065
973.919983	377.001709	8.5084E-06	0.008286504
973.959983	383.890383	8.66387E-06	0.008438264
973.999983	406.526671	9.17474E-06	0.008936197
974.039983	439.128689	9.91052E-06	0.009653246
974.079983	513.05889	1.1579E-05	0.011278896
974.119983	642.482689	1.44999E-05	0.014124681
974.159983	756.712112	1.70779E-05	0.016636644
974.199983	862.630234	1.94684E-05	0.018966079
974.239983	908.843736	2.05113E-05	0.019982965
974.279983	845.515057	1.90821E-05	0.018591305
974.319983	721.982955	1.62941E-05	0.015875716

974.359983	595.440592	1.34383E-05	0.013093707
974.399983	496.761411	1.12112E-05	0.010924206
974.439983	427.603192	9.65041E-06	0.009403744
974.479983	373.203444	8.42268E-06	0.008207735
974.519983	340.794466	7.69126E-06	0.007495283
974.559983	366.193559	8.26448E-06	0.00805423
974.599983	384.811306	8.68466E-06	0.008464065
974.639983	340.623192	7.68739E-06	0.007492439
974.679983	320.626134	7.23609E-06	0.007052867
974.719983	347.536456	7.84341E-06	0.007645132
974.759983	371.540717	8.38516E-06	0.008173515
974.799983	375.548385	8.4756E-06	0.008262019
974.839983	356.990026	8.05677E-06	0.007854059
974.879983	367.51896	8.29439E-06	0.008086036
974.919983	402.864306	9.09209E-06	0.008864057
974.959983	459.714358	1.03751E-05	0.01011532
974.999983	490.839011	1.10776E-05	0.010800614
975.039983	529.879076	1.19586E-05	0.011660145
975.079983	620.142491	1.39958E-05	0.013646978
975.119983	725.907668	1.63827E-05	0.015975122
975.159983	838.734139	1.89291E-05	0.018458863
975.199983	952.552046	2.14978E-05	0.020964628
975.239983	960.874918	2.16856E-05	0.021148672
975.279983	902.012146	2.03572E-05	0.019853928
975.319983	775.452688	1.75009E-05	0.017068965
975.359983	648.305842	1.46314E-05	0.014270843
975.399983	544.370453	1.22857E-05	0.011983455
975.439983	441.021806	9.95325E-06	0.009708796
975.479983	378.441065	8.54089E-06	0.008331465
975.519983	335.551676	7.57293E-06	0.007387548
975.559983	283.130401	6.38986E-06	0.006233691
975.599983	258.972294	5.84464E-06	0.005702035
975.639983	288.434604	6.50957E-06	0.006350994
975.679983	324.696246	7.32794E-06	0.007149726
975.719983	348.011813	7.85414E-06	0.007663443
975.759983	339.08428	7.65266E-06	0.007467159
975.799983	330.576485	7.46065E-06	0.007280103
975.839983	341.867303	7.71547E-06	0.007529063
975.879983	316.830146	7.15042E-06	0.006977947
975.919983	280.862236	6.33867E-06	0.006186034
975.959983	281.491646	6.35287E-06	0.006200151
975.999983	339.053468	7.65196E-06	0.007468317
976.039983	430.129626	9.70743E-06	0.009474836
976.079983	503.96681	1.13738E-05	0.011101767
976.119983	578.902389	1.3065E-05	0.012753028
976.159983	640.169777	1.44477E-05	0.014103306

976.199983	687.100601	1.55069E-05	0.015137839
976.239983	685.918414	1.54802E-05	0.015112413
976.279983	657.816876	1.4846E-05	0.014493863
976.319983	602.773139	1.36038E-05	0.013281613
976.359983	515.722995	1.16391E-05	0.011364
976.399983	414.693096	9.35905E-06	0.009138172
976.439983	326.739007	7.37404E-06	0.007200312
976.479983	294.563301	6.64788E-06	0.006491525
976.519983	292.143359	6.59327E-06	0.006438459
976.559983	318.946487	7.19818E-06	0.007029453
976.599983	342.3224	7.72574E-06	0.007544957
976.639983	357.361007	8.06514E-06	0.007876738
976.679983	371.988414	8.39526E-06	0.008199483
976.719983	388.492262	8.76773E-06	0.008563616
976.759983	386.641278	8.72596E-06	0.008523164
976.799983	346.042218	7.80969E-06	0.007628506
976.839983	346.217305	7.81364E-06	0.007632678
976.879983	356.789945	8.05225E-06	0.007866084
976.919983	370.508706	8.36187E-06	0.008168873
976.959983	415.332065	9.37347E-06	0.009157501
976.999983	463.255813	1.0455E-05	0.010214572
977.039983	528.499462	1.19275E-05	0.011653641
977.079983	604.499318	1.36427E-05	0.013330017
977.119983	690.580716	1.55854E-05	0.01522885
977.159983	782.032957	1.76494E-05	0.017246282
977.199983	855.088213	1.92981E-05	0.018858152
977.239983	871.231819	1.96625E-05	0.01921497
977.279983	819.726439	1.85001E-05	0.018079762
977.319983	720.332356	1.62569E-05	0.015888191
977.359983	602.860934	1.36057E-05	0.013297698
977.399983	487.882146	1.10108E-05	0.010761976
977.439983	401.39152	9.05885E-06	0.00885448
977.479983	336.476267	7.5938E-06	0.007422788
977.519983	295.867558	6.67732E-06	0.006527212
977.559983	294.703184	6.65104E-06	0.006501791
977.599983	305.823755	6.90202E-06	0.006747411
977.639983	312.778447	7.05897E-06	0.006901135
977.679983	301.321976	6.80042E-06	0.006648632
977.719983	304.567985	6.87368E-06	0.00672053
977.759983	303.931518	6.85931E-06	0.00670676
977.799983	296.409189	6.68954E-06	0.006541035
977.839983	319.145975	7.20268E-06	0.007043069
977.879983	318.940769	7.19805E-06	0.007038828
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981.399983	588.321311	1.32776E-05	0.013030629
981.439983	623.137363	1.40633E-05	0.013802326
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983.719982	343.456546	7.75134E-06	0.007625144
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983.879982	330.268198	7.45369E-06	0.00733354
983.919982	325.337985	7.34243E-06	0.007224359
983.959982	318.843356	7.19585E-06	0.007080429
983.999982	351.772951	7.93903E-06	0.007812001
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984.479982	417.07137	9.41272E-06	0.009266634
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984.639982	352.606216	7.95783E-06	0.007835599
984.679982	384.785579	8.68407E-06	0.008551034
984.719982	378.572399	8.54385E-06	0.008413302
984.759982	367.557885	8.29527E-06	0.008168849
984.799982	374.762516	8.45787E-06	0.008329308
984.839982	376.895341	8.506E-06	0.008377052
984.879982	364.951147	8.23644E-06	0.008111904
984.919982	353.142215	7.96993E-06	0.007849741
984.959982	371.619379	8.38693E-06	0.008260792
984.999982	425.80007	9.60971E-06	0.009465569
985.039982	511.603225	1.15462E-05	0.011373441
985.079982	622.069063	1.40392E-05	0.013829767
985.119982	725.397914	1.63712E-05	0.016127616
985.159982	782.342637	1.76564E-05	0.017394363
985.199982	820.205972	1.85109E-05	0.018236945
985.239982	834.03976	1.88231E-05	0.018545286
985.279982	792.398207	1.78833E-05	0.017620081
985.319982	716.173632	1.6163E-05	0.015925768
985.359982	601.095947	1.35659E-05	0.013367293

985.399982	508.426524	1.14745E-05	0.011306951
985.439982	415.454852	9.37624E-06	0.009239719
985.479982	337.560452	7.61827E-06	0.007507652
985.519982	318.71754	7.19301E-06	0.007088856
985.559982	308.052023	6.95231E-06	0.006851914
985.599982	315.701268	7.12494E-06	0.007022339
985.639982	329.625666	7.43919E-06	0.007332365
985.679982	356.60244	8.04802E-06	0.007932773
985.719982	360.453428	8.13493E-06	0.008018765
985.759982	347.848764	7.85046E-06	0.007738671
985.799982	324.477217	7.323E-06	0.007219012
985.839982	300.468423	6.78115E-06	0.006685133
985.879982	274.297481	6.19051E-06	0.006103102
985.919982	267.182872	6.02995E-06	0.005945044
985.959982	295.737566	6.67438E-06	0.006580676
985.999982	343.015713	7.74139E-06	0.007633007
986.039982	407.055403	9.18667E-06	0.009058427
986.079982	501.348141	1.13147E-05	0.011157228
986.119982	560.11269	1.2641E-05	0.012465506
986.159982	595.424665	1.34379E-05	0.013251924
986.199982	641.257727	1.44723E-05	0.014272576
986.239982	693.274838	1.56462E-05	0.015430955
986.279982	670.411094	1.51302E-05	0.014922657
986.319982	602.837957	1.36052E-05	0.013419093
986.359982	539.730003	1.2181E-05	0.012014806
986.399982	460.886499	1.04016E-05	0.010260105
986.439982	384.062774	8.66776E-06	0.008550227
986.479982	336.129035	7.58596E-06	0.007483402
986.519982	311.624924	7.03294E-06	0.006938136
986.559982	307.609542	6.94232E-06	0.006849014
986.599982	306.989845	6.92833E-06	0.006835493
986.639982	313.33529	7.07154E-06	0.006977065
986.679982	336.918723	7.60379E-06	0.007502504
986.719982	366.8721	8.27979E-06	0.008169836
986.759982	370.845499	8.36947E-06	0.008258654
986.799982	357.769554	8.07436E-06	0.007967779
986.839982	361.709835	8.16329E-06	0.008055858
986.879982	352.745998	7.96099E-06	0.007856538
986.919982	367.257107	8.28848E-06	0.008180068
986.959982	401.606959	9.06371E-06	0.008945519
986.999982	451.246222	1.0184E-05	0.010051607
987.039982	528.082595	1.19181E-05	0.01176363
987.079982	606.819886	1.36951E-05	0.013518139
987.119982	673.782122	1.52063E-05	0.015010466
987.159982	719.639887	1.62413E-05	0.016032732
987.199982	754.161957	1.70204E-05	0.016802524

987.239982	778.47064	1.7569E-05	0.017344817
987.279982	727.822028	1.64259E-05	0.016216991
987.319982	627.294619	1.41572E-05	0.013977653
987.359982	521.57035	1.17711E-05	0.011622329
987.399982	415.310348	9.37298E-06	0.009254876
987.439982	357.139341	8.06014E-06	0.007958902
987.479982	340.714949	7.68946E-06	0.00759319
987.519982	333.058496	7.51667E-06	0.007422858
987.559982	326.776631	7.37489E-06	0.00728315
987.599982	325.264002	7.34076E-06	0.00724973
987.639982	307.877538	6.94837E-06	0.006862485
987.679982	303.547515	6.85064E-06	0.006766245
987.719982	314.991161	7.10891E-06	0.007021614
987.759982	327.721115	7.39621E-06	0.007305679
987.799982	336.214726	7.5879E-06	0.007495326
987.839982	323.860822	7.30909E-06	0.007220209
987.879982	288.750279	6.51669E-06	0.006437709
987.919982	281.2954	6.34845E-06	0.006271756
987.959982	313.479367	7.07479E-06	0.006989612
987.999982	363.872266	8.21209E-06	0.008113545
988.039982	426.963952	9.63598E-06	0.009520735
988.079982	510.188053	1.15142E-05	0.011376984
988.119982	601.69907	1.35795E-05	0.013418185
988.159982	636.508936	1.43651E-05	0.014195037
988.199982	638.689971	1.44143E-05	0.014244254
988.239982	605.233493	1.36593E-05	0.013498644
988.279982	591.910793	1.33586E-05	0.013202039
988.319982	577.287766	1.30286E-05	0.012876407
988.359982	497.202147	1.12212E-05	0.011090545
988.399982	402.633991	9.08689E-06	0.00898148
988.439982	344.003664	7.76368E-06	0.007673935
988.479982	321.344699	7.2523E-06	0.007168756
988.519982	334.290626	7.54447E-06	0.007457863
988.559982	355.116216	8.01448E-06	0.007922793
988.599982	362.135302	8.17289E-06	0.008079718
988.639982	362.529192	8.18178E-06	0.008088834
988.679982	357.741307	8.07372E-06	0.007982328
988.719982	341.240636	7.70133E-06	0.007614455
988.759982	312.585458	7.05462E-06	0.006975324
988.799982	295.024778	6.6583E-06	0.006583725
988.839982	265.672955	5.99587E-06	0.005928955
988.879982	265.378088	5.98921E-06	0.005922614
988.919982	291.011238	6.56772E-06	0.006494948
988.959982	338.297783	7.63491E-06	0.00755062
988.999982	394.60467	8.90568E-06	0.008807715
989.039982	473.791287	1.06928E-05	0.010575616

989.079982	554.31683	1.25102E-05	0.012373548
989.119982	667.930625	1.50743E-05	0.014910256
989.159982	768.735201	1.73493E-05	0.017161216
989.199982	785.26338	1.77223E-05	0.0175309
989.239982	758.301519	1.71138E-05	0.016929664
989.279982	698.229063	1.57581E-05	0.015589131
989.319982	627.147531	1.41538E-05	0.014002683
989.359982	549.455744	1.24005E-05	0.01226851
989.399982	482.063721	1.08795E-05	0.010764184
989.439982	404.367006	9.126E-06	0.009029629
989.479982	338.471245	7.63882E-06	0.007558464
989.519982	295.926368	6.67865E-06	0.006608654
989.559982	298.660992	6.74036E-06	0.006669993
989.599982	331.927046	7.49113E-06	0.007413223
989.639982	343.447624	7.75113E-06	0.007670833
989.679982	351.245701	7.92713E-06	0.007845318
989.719982	341.240114	7.70131E-06	0.007622144
989.759982	325.395831	7.34373E-06	0.007268531
989.799982	311.250702	7.02449E-06	0.006952845
989.839982	284.376481	6.41798E-06	0.006352774
989.879982	264.582587	5.97126E-06	0.005910831
989.919982	246.767052	5.56919E-06	0.005513051
989.959982	272.414694	6.14802E-06	0.006086294
989.999982	336.184604	7.58722E-06	0.007511346
990.039982	391.165402	8.82806E-06	0.008740131
990.079982	440.025171	9.93076E-06	0.009832242
990.119982	519.59474	1.17265E-05	0.011610671
990.159982	617.828787	1.39435E-05	0.013806331
990.199982	669.623832	1.51125E-05	0.014964375
990.239982	674.441741	1.52212E-05	0.015072651
990.279982	666.967549	1.50525E-05	0.014906218
990.319982	622.420912	1.40472E-05	0.013911196
990.359982	550.092002	1.24148E-05	0.012295131
990.399982	496.184509	1.11982E-05	0.01109069
990.439982	460.897705	1.04018E-05	0.010302378
990.479982	425.775089	9.60915E-06	0.009517671
990.519982	392.249303	8.85252E-06	0.008768598
990.559982	384.161556	8.66999E-06	0.008588146
990.599982	424.52892	9.58103E-06	0.009490965
990.639982	481.151572	1.08589E-05	0.010757281
990.679982	498.474794	1.12499E-05	0.011145033
990.719982	527.12778	1.18965E-05	0.01178614
990.759982	594.624079	1.34198E-05	0.013295838
990.799982	651.203313	1.46968E-05	0.014561541
990.839982	694.779645	1.56802E-05	0.015536578
990.879982	792.668503	1.78894E-05	0.017726272

990.919982	919.658598	2.07554E-05	0.020566954
990.959982	1084.567558	2.44772E-05	0.024255905
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991.039982	1661.165194	3.74902E-05	0.037154272
991.079982	2001.039133	4.51607E-05	0.044757832
991.119982	2436.644888	5.49917E-05	0.054503354
991.159982	2980.748047	6.72713E-05	0.066676652
991.199982	3479.390661	7.8525E-05	0.077833979
991.239982	3702.813352	8.35673E-05	0.082835288
991.279982	3587.115714	8.09562E-05	0.080250266
991.319982	3106.364546	7.01063E-05	0.069497797
991.359982	2333.129846	5.26555E-05	0.052200546
991.399982	1598.280789	3.6071E-05	0.03576076
991.439982	1009.654779	2.27865E-05	0.022591449
991.479982	618.985416	1.39696E-05	0.013850617
991.519982	456.475342	1.0302E-05	0.010214651
991.559982	399.488479	9.0159E-06	0.008939804
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991.639982	432.108597	9.75209E-06	0.009670562
991.679982	422.584487	9.53714E-06	0.009457794
991.719982	384.611791	8.68015E-06	0.008608281
991.759982	360.367444	8.13299E-06	0.008065975
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991.839982	433.665852	9.78723E-06	0.00970737
991.879982	450.997301	1.01784E-05	0.010095732
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992.079982	1008.653502	2.27639E-05	0.022583614
992.119982	1250.891897	2.82309E-05	0.028008428
992.159982	1434.895776	3.23836E-05	0.032129711
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992.279982	1699.262488	3.835E-05	0.038053925
992.319982	1477.445271	3.33439E-05	0.0330878
992.359982	1155.257641	2.60726E-05	0.025873361
992.399982	850.603037	1.91969E-05	0.019051029
992.439982	596.472998	1.34616E-05	0.013359795
992.479982	425.965488	9.61345E-06	0.009541154
992.519982	337.26653	7.61164E-06	0.007554701
992.559982	314.66251	7.10149E-06	0.007048659
992.599982	328.816399	7.42093E-06	0.007366013
992.639982	372.270002	8.40162E-06	0.008339779
992.679982	404.676335	9.13298E-06	0.009066128
992.719982	405.444924	9.15033E-06	0.009083713

992.759982	373.300505	8.42487E-06	0.008363876
992.799982	372.816317	8.41394E-06	0.008353364
992.839982	380.178116	8.58009E-06	0.008518657
992.879982	372.11217	8.39805E-06	0.008338259
992.919982	376.602749	8.4994E-06	0.008439224
992.959982	420.200554	9.48334E-06	0.009416578
992.999982	468.365719	1.05704E-05	0.010496369
993.039982	584.708662	1.31961E-05	0.013104215
993.079982	717.799481	1.61997E-05	0.016087632
993.119982	879.74117	1.98545E-05	0.019717933
993.159982	1014.004559	2.28847E-05	0.022728139
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993.239982	1184.10153	2.67235E-05	0.026542871
993.279982	1123.927773	2.53655E-05	0.025195028
993.319982	1010.058851	2.27956E-05	0.022643346
993.359982	829.67031	1.87245E-05	0.018600172
993.399982	643.23205	1.45169E-05	0.01442104
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993.479982	399.920245	9.02564E-06	0.008966796
993.519982	339.80023	7.66882E-06	0.007619124
993.559982	308.603706	6.96476E-06	0.006919903
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993.679982	317.973866	7.17623E-06	0.007130873
993.719982	316.242956	7.13716E-06	0.007092342
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993.799982	316.426071	7.1413E-06	0.00709702
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993.879982	310.852848	7.01552E-06	0.006972581
993.919982	327.654571	7.39471E-06	0.007349747
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994.839982	366.679516	8.27545E-06	0.008232744
994.879982	328.124669	7.40532E-06	0.007367401
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995.119982	701.76634	1.58379E-05	0.0157606
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995.239982	871.26064	1.96631E-05	0.019569542
995.279982	825.497536	1.86303E-05	0.018542394
995.319982	749.490533	1.6915E-05	0.016835795
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995.439982	447.684538	1.01036E-05	0.010057544
995.479982	359.442463	8.11212E-06	0.008075449
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995.679982	298.055955	6.72671E-06	0.006697648
995.719982	272.989618	6.161E-06	0.006134626
995.759982	282.530378	6.37632E-06	0.006349281
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995.839982	282.303742	6.3712E-06	0.006344698
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995.959982	271.527956	6.12801E-06	0.00610325
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996.039982	410.439619	9.26305E-06	0.009226369
996.079982	485.820849	1.09643E-05	0.01092132
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996.199982	592.650258	1.33753E-05	0.013324464
996.239982	621.254628	1.40209E-05	0.013968133
996.279982	631.736406	1.42574E-05	0.014204373
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996.359982	509.12613	1.14903E-05	0.011448443
996.399982	430.004777	9.70461E-06	0.009669672

996.439982	364.699051	8.23075E-06	0.008201448
996.479982	326.54926	7.36976E-06	0.00734382
996.519982	333.386579	7.52407E-06	0.007497887
996.559982	366.185318	8.26429E-06	0.008235863
996.599982	360.221173	8.12969E-06	0.008102049
996.639982	360.279719	8.13101E-06	0.008103691
996.679982	369.59665	8.34128E-06	0.008313588
996.719982	381.78023	8.61625E-06	0.008587987
996.759982	381.785353	8.61636E-06	0.008588446
996.799982	386.049476	8.7126E-06	0.008684718
996.839982	389.982221	8.80136E-06	0.008773543
996.879982	379.044319	8.5545E-06	0.008527812
996.919982	354.357695	7.99736E-06	0.007972728
996.959982	375.290379	8.46978E-06	0.008444033
996.999982	467.729822	1.0556E-05	0.010524342
997.039982	571.646664	1.29013E-05	0.012863081
997.079982	669.274983	1.51046E-05	0.015060498
997.119982	743.789937	1.67863E-05	0.016737958
997.159982	810.311062	1.82876E-05	0.018235655
997.199982	868.27633	1.95958E-05	0.019540919
997.239982	865.451015	1.9532E-05	0.019478115
997.279982	766.521579	1.72993E-05	0.01725227
997.319982	654.409324	1.47691E-05	0.014729525
997.359982	579.316553	1.30744E-05	0.013039851
997.399982	513.597365	1.15912E-05	0.01156104
997.439982	445.147162	1.00464E-05	0.010020633
997.479982	380.886655	8.59608E-06	0.008574419
997.519982	350.095972	7.90118E-06	0.007881583
997.559982	335.796257	7.57845E-06	0.007559962
997.599982	323.1319	7.29264E-06	0.007275134
997.639982	323.580976	7.30277E-06	0.007285537
997.679982	308.349623	6.95902E-06	0.006942876
997.719982	279.012942	6.29693E-06	0.006282576
997.759982	267.955759	6.04739E-06	0.006033842
997.799982	293.337574	6.62022E-06	0.006605656
997.839982	325.775372	7.3523E-06	0.007336415
997.879982	310.967774	7.01811E-06	0.007003231
997.919982	277.89422	6.27169E-06	0.00625864
997.959982	306.134932	6.90904E-06	0.006894944
997.999982	363.548871	8.20479E-06	0.008188382
998.039982	416.203962	9.39314E-06	0.009374733
998.079982	460.269883	1.03877E-05	0.010367706
998.119982	517.527632	1.16799E-05	0.011657919
998.159982	630.098371	1.42204E-05	0.014194277
998.199982	709.49901	1.60124E-05	0.015983582
998.239982	753.499156	1.70054E-05	0.016975497

998.279982	734.274301	1.65715E-05	0.016543045
998.319982	665.770774	1.50255E-05	0.015000276
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998.399982	482.26171	1.0884E-05	0.010866561
998.439982	397.65315	8.97448E-06	0.008960477
998.479982	351.067395	7.9231E-06	0.007911059
998.519982	336.690921	7.59865E-06	0.007587399
998.559982	305.660949	6.89834E-06	0.006888408
998.599982	301.132009	6.79613E-06	0.006786615
998.639982	331.832886	7.48901E-06	0.007478821
998.679982	377.108079	8.5108E-06	0.00849957
998.719982	395.837261	8.9335E-06	0.008922061
998.759982	398.385739	8.99101E-06	0.008979862
998.799982	392.884166	8.86685E-06	0.008856208
998.839982	387.15981	8.73766E-06	0.008727522
998.879982	392.89156	8.86702E-06	0.008857084
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999.119982	746.741318	1.68529E-05	0.016838081
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999.199982	906.049554	2.04483E-05	0.020431917
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999.279982	827.845847	1.86833E-05	0.018669875
999.319982	750.675716	1.69417E-05	0.016930185
999.359982	596.469351	1.34615E-05	0.013452867
999.399982	479.720225	1.08266E-05	0.010820121
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999.639982	307.571341	6.94146E-06	0.006938958
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1000.279982	615.614809	1.38936E-05	0.013897459
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1000.399982	467.156732	1.05431E-05	0.010547294
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1008.439982	433.986109	9.79446E-06	0.009877127
1008.479982	381.85628	8.61796E-06	0.008691045
1008.519982	314.102975	7.08887E-06	0.007149264
1008.559982	275.408226	6.21558E-06	0.006268785
1008.599982	277.423651	6.26107E-06	0.00631491
1008.639982	314.116756	7.08918E-06	0.007150428
1008.679982	339.308244	7.65771E-06	0.007724183
1008.719982	323.629581	7.30387E-06	0.007367558
1008.759982	319.837014	7.21828E-06	0.007281508
1008.799982	321.948088	7.26592E-06	0.00732986
1008.839982	332.956239	7.51436E-06	0.007580785
1008.879982	364.908665	8.23548E-06	0.008308611
1008.919982	372.962079	8.41723E-06	0.008492316
1008.959982	374.817665	8.45911E-06	0.008534906
1008.999982	408.56306	9.2207E-06	0.009303685
1009.039982	505.615938	1.1411E-05	0.011514203
1009.079982	598.962196	1.35177E-05	0.013640483
1009.119982	700.90088	1.58184E-05	0.01596262
1009.159982	769.430106	1.7365E-05	0.017524029
1009.199982	818.063281	1.84625E-05	0.018632404
1009.239982	835.485132	1.88557E-05	0.019029962
1009.279982	766.911002	1.73081E-05	0.017468732

1009.319982	682.391777	1.54006E-05	0.015544166
1009.359982	596.750805	1.34678E-05	0.013593893
1009.399982	507.604709	1.14559E-05	0.011563617
1009.439982	436.721919	9.85621E-06	0.009949248
1009.479982	413.535612	9.33292E-06	0.009421399
1009.519982	393.812692	8.8878E-06	0.008972416
1009.559982	371.245287	8.37849E-06	0.008458587
1009.599982	383.877738	8.66359E-06	0.008746756
1009.639982	410.754653	9.27016E-06	0.009359525
1009.679982	407.604591	9.19907E-06	0.009288115
1009.719982	375.843507	8.48226E-06	0.008564712
1009.759982	335.60133	7.57405E-06	0.007647977
1009.799982	309.926836	6.99462E-06	0.007063164
1009.839982	309.964793	6.99547E-06	0.007064309
1009.879982	316.161532	7.13533E-06	0.007205822
1009.919982	316.075086	7.13337E-06	0.007204137
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1010.079982	476.701413	1.07585E-05	0.010866932
1010.119982	540.888737	1.22071E-05	0.012330641
1010.159982	642.568248	1.45019E-05	0.014649209
1010.199982	691.921946	1.56157E-05	0.015774995
1010.239982	686.352829	1.549E-05	0.015648645
1010.279982	683.452028	1.54246E-05	0.015583125
1010.319982	606.237111	1.36819E-05	0.013823124
1010.359982	507.213723	1.14471E-05	0.011565699
1010.399982	430.963033	9.72624E-06	0.009827388
1010.439982	387.104183	8.7364E-06	0.00882761
1010.479982	360.284758	8.13113E-06	0.008216339
1010.519982	357.246604	8.06256E-06	0.008147376
1010.559982	364.178693	8.21901E-06	0.008305798
1010.599982	368.807713	8.32348E-06	0.008411705
1010.639982	375.243861	8.46873E-06	0.008558838
1010.679982	357.816834	8.07543E-06	0.008161673
1010.719982	336.641163	7.59752E-06	0.007678967
1010.759982	326.144644	7.36063E-06	0.007439831
1010.799982	314.735857	7.10315E-06	0.007179864
1010.839982	302.91856	6.83645E-06	0.006910557
1010.879982	307.190148	6.93285E-06	0.007008283
1010.919982	320.682302	7.23735E-06	0.007316385
1010.959982	355.188056	8.0161E-06	0.008103956
1010.999982	419.483655	9.46716E-06	0.0095713
1011.039982	477.596205	1.07787E-05	0.010897678
1011.079982	552.075469	1.24596E-05	0.012597626
1011.119982	622.976157	1.40597E-05	0.014216048

1011.159982	711.7534	1.60633E-05	0.016242549
1011.199982	817.686955	1.84541E-05	0.018660741
1011.239982	831.203628	1.87591E-05	0.01896996
1011.279982	761.037511	1.71756E-05	0.017369297
1011.319982	673.390233	1.51975E-05	0.015369515
1011.359982	599.442955	1.35286E-05	0.013682277
1011.399982	497.895166	1.12368E-05	0.0113649
1011.439982	392.062337	8.8483E-06	0.008949525
1011.479982	341.805985	7.71408E-06	0.007802643
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1011.559982	306.248491	6.9116E-06	0.0069915
1011.599982	308.172898	6.95503E-06	0.007035711
1011.639982	300.922485	6.7914E-06	0.006870453
1011.679982	313.049122	7.06508E-06	0.007147603
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1011.759982	316.148589	7.13503E-06	0.007218941
1011.799982	296.920602	6.70108E-06	0.006780157
1011.839982	264.464988	5.96861E-06	0.006039275
1011.879982	234.116793	5.28369E-06	0.00534646
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1012.079982	496.650088	1.12087E-05	0.011344102
1012.119982	568.319529	1.28262E-05	0.012981633
1012.159982	615.020054	1.38801E-05	0.014048928
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1012.319982	569.44778	1.28516E-05	0.013009975
1012.359982	515.836437	1.16417E-05	0.011785601
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1012.839982	347.898312	7.85158E-06	0.007952394
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1014.359982	545.357317	1.2308E-05	0.012484697
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1016.159982	542.492765	1.22433E-05	0.012441158
1016.199982	579.959522	1.30889E-05	0.013300918
1016.239982	587.23174	1.3253E-05	0.013468231
1016.279982	606.862792	1.3696E-05	0.013919019
1016.319982	567.363336	1.28046E-05	0.013013571
1016.359982	509.213031	1.14922E-05	0.011680241
1016.399982	472.348439	1.06602E-05	0.010835074
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1016.479982	323.352467	7.29761E-06	0.007417879
1016.519982	294.030741	6.63586E-06	0.006745489
1016.559982	299.601308	6.76158E-06	0.006873556
1016.599982	328.267547	7.40854E-06	0.007531523
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1016.679982	325.910943	7.35536E-06	0.007478043
1016.719982	349.484804	7.88739E-06	0.008019262
1016.759982	354.789327	8.0071E-06	0.0081413
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1016.839982	363.722943	8.20872E-06	0.008346955
1016.879982	360.912411	8.14529E-06	0.008282783
1016.919982	373.050391	8.41923E-06	0.008561681
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1019.959982	301.52476	6.80499E-06	0.006940821
1019.999982	333.050048	7.51648E-06	0.007666805
1020.039982	372.147941	8.39886E-06	0.008567174
1020.079982	394.100094	8.89429E-06	0.009072887
1020.119982	434.534318	9.80683E-06	0.010004148
1020.159982	467.432931	1.05493E-05	0.010761984
1020.199982	498.745738	1.1256E-05	0.011483368
1020.239982	524.150085	1.18293E-05	0.012068763
1020.279982	522.688196	1.17963E-05	0.012035574
1020.319982	487.184667	1.09951E-05	0.011218499

1020.359982	444.948092	1.00419E-05	0.010246311
1020.399982	398.431785	8.99205E-06	0.009175488
1020.439982	345.880229	7.80603E-06	0.00796559
1020.479982	303.779074	6.85587E-06	0.006996279
1020.519982	261.248998	5.89603E-06	0.006017012
1020.559982	250.48208	5.65303E-06	0.005769258
1020.599982	250.933746	5.66323E-06	0.005779887
1020.639982	252.602373	5.70088E-06	0.00581855
1020.679982	262.491613	5.92407E-06	0.00604658
1020.719982	278.89238	6.29421E-06	0.006424629
1020.759982	273.172424	6.16512E-06	0.006293109
1020.799982	261.561451	5.90308E-06	0.006025862
1020.839982	259.094924	5.84741E-06	0.005969271
1020.879982	277.403165	6.2606E-06	0.006391324
1020.919982	319.006946	7.19954E-06	0.007350157
1020.959982	377.603486	8.52198E-06	0.008700605
1020.999982	407.565951	9.1982E-06	0.009391358
1021.039982	424.370053	9.57744E-06	0.00977895
1021.079982	482.102145	1.08804E-05	0.011109732
1021.119982	580.952959	1.31113E-05	0.013388209
1021.159982	653.990338	1.47597E-05	0.015071965
1021.199982	720.108935	1.62519E-05	0.016596395
1021.239982	786.484855	1.77499E-05	0.018126875
1021.279982	789.139472	1.78098E-05	0.01818877
1021.319982	697.769877	1.57477E-05	0.016083435
1021.359982	575.517954	1.29886E-05	0.013266076
1021.399982	470.981382	1.06294E-05	0.010856863
1021.439982	395.419648	8.92407E-06	0.009115403
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1021.519982	270.628074	6.1077E-06	0.006239136
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1021.599982	257.514674	5.81175E-06	0.005937281
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1021.679982	311.23862	7.02422E-06	0.007176507
1021.719982	307.762674	6.94577E-06	0.007096637
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1021.799982	301.177697	6.79716E-06	0.006945339
1021.839982	288.690081	6.51533E-06	0.006657628
1021.879982	273.465183	6.17173E-06	0.006306766
1021.919982	270.748163	6.11041E-06	0.006244349
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1022.159982	538.645485	1.21565E-05	0.012425866

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1022.239982	534.906671	1.20721E-05	0.012340582
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1022.719982	278.002739	6.27413E-06	0.006416683
1022.759982	271.788176	6.13388E-06	0.006273488
1022.799982	285.283216	6.43844E-06	0.006585241
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1022.879982	294.122085	6.63793E-06	0.006789801
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1022.959982	305.256943	6.88922E-06	0.0070474
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1024.199982	599.322932	1.35259E-05	0.01385321
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1024.279982	544.490158	1.22884E-05	0.012586746
1024.319982	535.919808	1.2095E-05	0.012389113
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1024.439982	369.01196	8.32809E-06	0.008531624
1024.479982	313.363587	7.07218E-06	0.007245307
1024.519982	262.928396	5.93393E-06	0.006079427
1024.559982	267.654771	6.0406E-06	0.006188952
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1025.079982	536.482954	1.21077E-05	0.012411333
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1027.039982	426.048359	9.61532E-06	0.009875316
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1027.879981	267.561322	6.03849E-06	0.006206839
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1028.039981	332.450963	7.50296E-06	0.007713338
1028.079981	400.721129	9.04372E-06	0.009297665
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1028.239981	640.428443	1.44536E-05	0.014861747
1028.279981	599.367113	1.35269E-05	0.013909421
1028.319981	525.325074	1.18559E-05	0.012191613
1028.359981	438.213869	9.88988E-06	0.010170353
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1028.559981	276.016447	6.22931E-06	0.006407216
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1031.639981	348.227568	7.85901E-06	0.00810767
1031.679981	318.55327	7.1893E-06	0.007417061
1031.719981	305.309477	6.89041E-06	0.007108973
1031.759981	276.884066	6.24889E-06	0.006447352
1031.799981	259.203499	5.84986E-06	0.006035887
1031.839981	275.131436	6.20933E-06	0.006407038
1031.879981	308.376489	6.95963E-06	0.007181501
1031.919981	305.91071	6.90398E-06	0.007124353
1031.959981	304.2104	6.8656E-06	0.00708503
1031.999981	326.581591	7.37049E-06	0.007606347
1032.039981	356.733026	8.05097E-06	0.00830892
1032.079981	419.16792	9.46004E-06	0.009763514
1032.119981	474.885208	1.07175E-05	0.011061744
1032.159981	533.441831	1.2039E-05	0.012426214
1032.199981	582.102756	1.31372E-05	0.013560268
1032.239981	566.892934	1.2794E-05	0.013206462
1032.279981	518.820028	1.1709E-05	0.012087013
1032.319981	485.833983	1.09646E-05	0.011318972
1032.359981	472.851208	1.06716E-05	0.011016926
1032.399981	436.553816	9.85241E-06	0.01017163
1032.439981	360.356383	8.13274E-06	0.008396568
1032.479981	312.436668	7.05126E-06	0.007280285
1032.519981	315.953437	7.13063E-06	0.007362517
1032.559981	324.132112	7.31521E-06	0.007553393
1032.599981	331.591887	7.48357E-06	0.007727531
1032.639981	342.28092	7.7248E-06	0.007976941
1032.679981	339.254696	7.65651E-06	0.00790672
1032.719981	326.915666	7.37803E-06	0.00761944
1032.759981	315.978962	7.13121E-06	0.007364823
1032.799981	297.815084	6.72127E-06	0.006941729
1032.839981	312.228389	7.04656E-06	0.007277969
1032.879981	331.353008	7.47818E-06	0.007724058
1032.919981	359.634123	8.11644E-06	0.008383634
1032.959981	376.19463	8.49019E-06	0.008770025
1032.999981	378.532336	8.54295E-06	0.008824865
1033.039981	408.866079	9.22754E-06	0.009532416
1033.079981	489.357075	1.10441E-05	0.011409446
1033.119981	615.670509	1.38948E-05	0.014355022
1033.159981	728.10814	1.64324E-05	0.016977284
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1033.679981	329.253462	7.43079E-06	0.007681061
1033.719981	305.59709	6.8969E-06	0.007129464
1033.759981	278.5081	6.28554E-06	0.00649774
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1043.119981	528.578002	1.19293E-05	0.012443659
1043.159981	614.377756	1.38657E-05	0.014464091
1043.199981	699.375641	1.57839E-05	0.0164658
1043.239981	740.149097	1.67041E-05	0.017426421
1043.279981	715.778686	1.61541E-05	0.016853278
1043.319981	636.645337	1.43682E-05	0.014990629
1043.359981	522.32898	1.17882E-05	0.012299375
1043.399981	405.19568	9.1447E-06	0.009541582
1043.439981	326.988727	7.37968E-06	0.007700253
1043.479981	295.444668	6.66777E-06	0.006957689
1043.519981	259.510772	5.8568E-06	0.006111684
1043.559981	230.717077	5.20696E-06	0.005433778
1043.599981	240.288803	5.42298E-06	0.005659426
1043.639981	266.995788	6.02572E-06	0.006288685
1043.679981	296.010034	6.68053E-06	0.00697234
1043.719981	311.201938	7.02339E-06	0.007330457
1043.759981	289.413872	6.53167E-06	0.006817494
1043.799981	259.925861	5.86616E-06	0.006123103
1043.839981	273.08918	6.16324E-06	0.006433439
1043.879981	310.516096	7.00792E-06	0.007315423
1043.919981	329.848634	7.44422E-06	0.007771174
1043.959981	342.94002	7.73968E-06	0.008079915
1043.999981	355.60942	8.02561E-06	0.008378736
1044.039981	335.72586	7.57687E-06	0.00791055
1044.079981	338.902774	7.64856E-06	0.007985712
1044.119981	403.941374	9.11639E-06	0.009518609
1044.159981	474.968283	1.07194E-05	0.01119274
1044.199981	508.973787	1.14868E-05	0.011994547
1044.239981	537.855234	1.21386E-05	0.012675657

1044.279981	559.363085	1.2624E-05	0.013183038
1044.319981	515.76741	1.16402E-05	0.012156043
1044.359981	419.084941	9.45816E-06	0.009877727
1044.399981	329.162742	7.42874E-06	0.007758581
1044.439981	294.930486	6.65617E-06	0.00695197
1044.479981	302.611509	6.82952E-06	0.007133297
1044.519981	335.456416	7.57078E-06	0.007907835
1044.559981	337.839655	7.62457E-06	0.007964321
1044.599981	294.755025	6.65221E-06	0.006948899
1044.639981	302.956836	6.83731E-06	0.007142531
1044.679981	348.121767	7.85662E-06	0.008207657
1044.719981	332.693676	7.50843E-06	0.00784421
1044.759981	293.543354	6.62486E-06	0.006921393
1044.799981	278.549185	6.28647E-06	0.006568101
1044.839981	283.737144	6.40355E-06	0.006690687
1044.879981	268.48241	6.05927E-06	0.006331214
1044.919981	277.166847	6.25527E-06	0.006536256
1044.959981	322.848929	7.28625E-06	0.00761384
1044.999981	360.828546	8.1434E-06	0.00850985
1045.039981	393.758914	8.88659E-06	0.009286842
1045.079981	447.149661	1.00915E-05	0.010546472
1045.119981	532.246387	1.20121E-05	0.012554043
1045.159981	587.027521	1.32484E-05	0.013846691
1045.199981	637.36684	1.43845E-05	0.01503466
1045.239981	650.800944	1.46877E-05	0.015352141
1045.279981	576.939679	1.30207E-05	0.013610303
1045.319981	496.457667	1.12044E-05	0.011712139
1045.359981	431.02862	9.72772E-06	0.010168965
1045.399981	365.170201	8.24138E-06	0.008615541
1045.439981	309.217848	6.97862E-06	0.007295724
1045.479981	279.740538	6.31335E-06	0.006600486
1045.519981	273.484292	6.17216E-06	0.006453116
1045.559981	274.707267	6.19976E-06	0.006482221
1045.599981	285.348074	6.43991E-06	0.006733568
1045.639981	297.848531	6.72203E-06	0.00702882
1045.679981	303.644127	6.85283E-06	0.007165862
1045.719981	303.380138	6.84687E-06	0.007159906
1045.759981	292.458258	6.60038E-06	0.006902409
1045.799981	291.941877	6.58872E-06	0.006890485
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1045.879981	294.701203	6.651E-06	0.006956143
1045.919981	321.672354	7.2597E-06	0.007593062
1045.959981	335.465253	7.57098E-06	0.007918946
1045.999981	337.224524	7.61069E-06	0.007960779
1046.039981	343.476057	7.75178E-06	0.008108668
1046.079981	377.109322	8.51083E-06	0.008903011

1046.119981	441.344533	9.96053E-06	0.010419911
1046.159981	511.033587	1.15333E-05	0.012065694
1046.199981	571.385057	1.28954E-05	0.01349113
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1046.279981	569.130663	1.28445E-05	0.013438929
1046.319981	526.270753	1.18772E-05	0.012427349
1046.359981	508.932703	1.14859E-05	0.012018388
1046.399981	447.750315	1.01051E-05	0.010573977
1046.439981	348.015876	7.85423E-06	0.008218984
1046.479981	284.426987	6.41912E-06	0.006717482
1046.519981	263.050698	5.93669E-06	0.006212862
1046.559981	270.055841	6.09478E-06	0.006378557
1046.599981	292.76884	6.60738E-06	0.006915289
1046.639981	298.109683	6.72792E-06	0.00704171
1046.679981	288.958902	6.5214E-06	0.006825819
1046.719981	329.443086	7.43507E-06	0.007782438
1046.759981	384.78959	8.68417E-06	0.009090236
1046.799981	369.787024	8.34558E-06	0.008736151
1046.839981	346.449022	7.81887E-06	0.008185108
1046.879981	324.400162	7.32126E-06	0.00766448
1046.919981	332.295567	7.49945E-06	0.007851322
1046.959981	391.390044	8.83313E-06	0.009247932
1046.999981	461.424897	1.04137E-05	0.010903162
1047.039981	516.652564	1.16601E-05	0.012208621
1047.079981	581.489626	1.31234E-05	0.013741261
1047.119981	636.845828	1.43727E-05	0.015049966
1047.159981	671.009777	1.51438E-05	0.015857935
1047.199981	658.951306	1.48716E-05	0.015573553
1047.239981	647.091154	1.46039E-05	0.015293836
1047.279981	637.669121	1.43913E-05	0.015071724
1047.319981	594.309866	1.34127E-05	0.014047437
1047.359981	544.331585	1.22848E-05	0.012866614
1047.399981	469.699112	1.06005E-05	0.011102916
1047.439981	380.408608	8.58529E-06	0.008992579
1047.479981	328.103959	7.40485E-06	0.007756431
1047.519981	295.087046	6.6597E-06	0.006976173
1047.559981	283.815466	6.40532E-06	0.006709957
1047.599981	301.286296	6.79961E-06	0.007123273
1047.639981	312.544987	7.05371E-06	0.007389743
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1047.719981	297.536149	6.71498E-06	0.007035415
1047.759981	304.405001	6.87E-06	0.007198108
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1047.839981	269.743184	6.08773E-06	0.006378965
1047.879981	269.607934	6.08468E-06	0.00637601
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1048.159981	522.903992	1.18012E-05	0.012369561
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1048.279981	567.280178	1.28027E-05	0.013420839
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1048.519981	266.363921	6.01146E-06	0.006303139
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1049.359981	539.467531	1.2175E-05	0.01277599
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1053.879981	263.483764	5.94646E-06	0.006266857
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1054.279981	547.17941	1.23491E-05	0.013019385
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1054.359981	482.152593	1.08815E-05	0.011473031
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1054.519981	313.612908	7.07781E-06	0.007463688
1054.559981	342.845637	7.73755E-06	0.008159709
1054.599981	325.794395	7.35273E-06	0.007754184
1054.639981	306.273268	6.91216E-06	0.007289841
1054.679981	289.0553	6.52358E-06	0.006880284
1054.719981	306.005916	6.90613E-06	0.00728403
1054.759981	310.695313	7.01196E-06	0.007395935
1054.799981	293.260792	6.61849E-06	0.006981181
1054.839981	288.259548	6.50562E-06	0.006862384
1054.879981	297.852843	6.72212E-06	0.007091034
1054.919981	289.854058	6.5416E-06	0.006900867
1054.959981	292.3055	6.59693E-06	0.006959495
1054.999981	312.637758	7.0558E-06	0.007443868
1055.039981	363.199609	8.19691E-06	0.008648067
1055.079981	422.472338	9.53461E-06	0.010059778
1055.119981	493.188202	1.11306E-05	0.011744088
1055.159981	573.104157	1.29342E-05	0.013647611
1055.199981	664.640124	1.5E-05	0.015828002
1055.239981	712.974258	1.60908E-05	0.016979693
1055.279981	642.578773	1.45021E-05	0.015303784

1055.319981	566.272259	1.278E-05	0.013486964
1055.359981	512.671736	1.15703E-05	0.012210818
1055.399981	429.641905	9.69642E-06	0.010233601
1055.439981	342.572775	7.73139E-06	0.008160019
1055.479981	271.22512	6.12117E-06	0.006460776
1055.519981	227.070931	5.12467E-06	0.005409196
1055.559981	222.390461	5.01904E-06	0.005297901
1055.599981	256.980129	5.79968E-06	0.006122146
1055.639981	306.641371	6.92047E-06	0.007305523
1055.679981	347.820341	7.84982E-06	0.008286898
1055.719981	349.438801	7.88635E-06	0.008325774
1055.759981	300.361019	6.77873E-06	0.007156712
1055.799981	270.636381	6.10789E-06	0.006448706
1055.839981	260.46033	5.87823E-06	0.006206467
1055.879981	255.315127	5.76211E-06	0.006084093
1055.919981	277.453817	6.26175E-06	0.006611903
1055.959981	303.04064	6.83921E-06	0.007221927
1055.999981	305.061622	6.88482E-06	0.007270365
1056.039981	310.06405	6.99771E-06	0.007389865
1056.079981	354.099738	7.99154E-06	0.008439703
1056.119981	432.786757	9.76739E-06	0.01031554
1056.159981	473.488222	1.0686E-05	0.011286094
1056.199981	461.672767	1.04193E-05	0.011004876
1056.239981	457.715357	1.033E-05	0.010910957
1056.279981	494.656666	1.11637E-05	0.011792005
1056.319981	497.537507	1.12287E-05	0.01186113
1056.359981	423.149405	9.54989E-06	0.010088124
1056.399981	362.442325	8.17982E-06	0.00864116
1056.439981	334.529393	7.54986E-06	0.007975977
1056.479981	273.251101	6.1669E-06	0.006515203
1056.519981	251.723692	5.68105E-06	0.006002146
1056.559981	257.911286	5.8207E-06	0.006149917
1056.599981	294.6939	6.65083E-06	0.007027268
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1056.679981	339.539367	7.66293E-06	0.008097265
1056.719981	350.739901	7.91571E-06	0.00836469
1056.759981	369.198044	8.33229E-06	0.008805226
1056.799981	349.291792	7.88303E-06	0.008330785
1056.839981	316.384292	7.14035E-06	0.00754621
1056.879981	288.043396	6.50074E-06	0.0068705
1056.919981	305.274496	6.88962E-06	0.007281777
1056.959981	344.41081	7.77287E-06	0.008215615
1056.999981	363.674003	8.20762E-06	0.00867545
1057.039981	403.922029	9.11596E-06	0.009635932
1057.079981	462.080728	1.04285E-05	0.011023778
1057.119981	531.064773	1.19854E-05	0.012669998

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1057.279981	567.874347	1.28161E-05	0.013550241
1057.319981	549.113679	1.23927E-05	0.013103082
1057.359981	506.951442	1.14412E-05	0.012097454
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1057.439981	343.730118	7.75751E-06	0.008203101
1057.479981	283.011597	6.38718E-06	0.006754312
1057.519981	251.779062	5.6823E-06	0.006009149
1057.559981	240.773265	5.43392E-06	0.005746693
1057.599981	236.705009	5.3421E-06	0.005649807
1057.639981	237.851299	5.36797E-06	0.005677382
1057.679981	260.945265	5.88917E-06	0.006228858
1057.719981	292.640973	6.6045E-06	0.006985711
1057.759981	296.066929	6.68182E-06	0.00706776
1057.799981	300.697778	6.78633E-06	0.00717858
1057.839981	306.084013	6.90789E-06	0.007307442
1057.879981	288.314618	6.50686E-06	0.006883476
1057.919981	266.639289	6.01768E-06	0.006366221
1057.959981	264.194709	5.96251E-06	0.006308093
1057.999981	273.586588	6.17447E-06	0.006532587
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1058.079981	412.987276	9.32055E-06	0.009861885
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1058.159981	491.376957	1.10897E-05	0.01173467
1058.199981	537.546792	1.21317E-05	0.012837746
1058.239981	550.146126	1.2416E-05	0.013139141
1058.279981	527.127603	1.18965E-05	0.012589866
1058.319981	492.109167	1.11062E-05	0.011753933
1058.359981	468.141966	1.05653E-05	0.011181904
1058.399981	428.231991	9.6646E-06	0.010229012
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1058.479981	309.61277	6.98753E-06	0.00739616
1058.519981	269.647639	6.08557E-06	0.006441699
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1058.679981	323.344527	7.29744E-06	0.007725649
1058.719981	298.776354	6.74297E-06	0.007138913
1058.759981	292.172133	6.59392E-06	0.006981377
1058.799981	282.158322	6.36792E-06	0.006742354
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1058.879981	314.033528	7.0873E-06	0.007504599
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1058.959981	308.15427	6.95461E-06	0.007364656

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1059.119981	556.789529	1.2566E-05	0.013308864
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1059.279981	589.293972	1.32995E-05	0.014087941
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1059.359981	465.04333	1.04954E-05	0.011118386
1059.399981	411.368458	9.28401E-06	0.009835483
1059.439981	356.525656	8.04629E-06	0.008524559
1059.479981	311.013967	7.01915E-06	0.007436651
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1059.639981	257.876115	5.8199E-06	0.006167004
1059.679981	317.929196	7.17522E-06	0.007603436
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1059.799981	285.787165	6.44982E-06	0.006835517
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1059.879981	234.899372	5.30135E-06	0.005618796
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1062.559981	235.798582	5.32165E-06	0.005654568
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1066.159981	440.538636	9.94234E-06	0.010600129
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1066.239981	535.994864	1.20967E-05	0.01289794
1066.279981	541.805511	1.22278E-05	0.013038254
1066.319981	463.603108	1.04629E-05	0.011156774

1066.359981	396.3574	8.94523E-06	0.00953884
1066.399981	361.895355	8.16747E-06	0.008709794
1066.439981	326.290547	7.36392E-06	0.007853182
1066.479981	278.625986	6.2882E-06	0.00670624
1066.519981	244.239773	5.51215E-06	0.00587882
1066.559981	262.367191	5.92126E-06	0.006315381
1066.599981	298.571545	6.73834E-06	0.007187117
1066.639981	301.156543	6.79668E-06	0.007249615
1066.679981	285.055921	6.43332E-06	0.006862288
1066.719981	297.029807	6.70355E-06	0.00715081
1066.759981	279.753144	6.31364E-06	0.006735137
1066.799981	242.477622	5.47238E-06	0.005837937
1066.839981	248.673982	5.61223E-06	0.005987346
1066.879981	282.913896	6.38497E-06	0.006811999
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1066.999981	286.68815	6.47015E-06	0.006903652
1067.039981	367.283259	8.28907E-06	0.008844771
1067.079981	469.063744	1.05861E-05	0.011296232
1067.119981	555.129651	1.25285E-05	0.013369416
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1067.239981	615.509269	1.38912E-05	0.01482523
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1067.479981	298.153785	6.72892E-06	0.007182983
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1067.719981	291.0854	6.56939E-06	0.007014271
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1067.839981	311.874049	7.03856E-06	0.007516059
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1068.079981	364.262939	8.22091E-06	0.008780586
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1068.319981	515.240516	1.16283E-05	0.012422703
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1077.67998	294.756045	6.65223E-06	0.007168979
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1077.95998	280.320957	6.32645E-06	0.006819664
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1078.03998	315.652006	7.12383E-06	0.007679769
1078.07998	390.624854	8.81586E-06	0.009504201
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1078.19998	535.169389	1.2078E-05	0.013022529
1078.23998	539.41101	1.21738E-05	0.01312623
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1078.31998	473.592524	1.06883E-05	0.011525433
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1079.27998	563.27164	1.27123E-05	0.013720084
1079.31998	510.731124	1.15265E-05	0.012440771
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1080.23998	566.447361	1.27839E-05	0.01380971
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1080.47998	267.698984	6.04159E-06	0.00652782
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1080.87998	299.119925	6.75072E-06	0.007296718
1080.91998	315.151674	7.11253E-06	0.00768808
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1089.75998	264.330539	5.96557E-06	0.006501042
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1089.83998	243.325226	5.49151E-06	0.005984869
1089.87998	268.273071	6.05455E-06	0.006598732
1089.91998	298.53636	6.73755E-06	0.00734339
1089.95998	305.857732	6.90278E-06	0.007523757
1089.99998	325.519638	7.34652E-06	0.008007712
1090.03998	369.896568	8.34805E-06	0.009099709
1090.07998	405.775126	9.15778E-06	0.009982712
1090.11998	428.724589	9.67572E-06	0.010547692
1090.15998	483.482715	1.09115E-05	0.011895315
1090.19998	513.636963	1.15921E-05	0.012637675
1090.23998	538.99334	1.21643E-05	0.013262038

1090.27998	540.67837	1.22024E-05	0.013303986
1090.31998	517.148473	1.16713E-05	0.012725474
1090.35998	469.15247	1.05881E-05	0.01154486
1090.39998	397.381567	8.96835E-06	0.009779087
1090.43998	342.9267	7.73938E-06	0.008439327
1090.47998	288.919378	6.52051E-06	0.007110483
1090.51998	249.536081	5.63168E-06	0.006141461
1090.55998	271.680222	6.13144E-06	0.006686708
1090.59998	308.668858	6.96623E-06	0.007597366
1090.63998	311.930456	7.03984E-06	0.007677926
1090.67998	313.056984	7.06526E-06	0.007705938
1090.71998	300.214147	6.77542E-06	0.007390081
1090.75998	289.955816	6.5439E-06	0.007137823
1090.79998	291.652059	6.58218E-06	0.007179843
1090.83998	281.037651	6.34263E-06	0.006918793
1090.87998	275.411627	6.21566E-06	0.006780536
1090.91998	269.54876	6.08334E-06	0.006636437
1090.95998	298.758	6.74255E-06	0.007355854
1090.99998	343.680619	7.75639E-06	0.008462224
1091.03998	383.822659	8.66234E-06	0.009450962
1091.07998	416.36043	9.39667E-06	0.010252524
1091.11998	475.672466	1.07353E-05	0.011713462
1091.15998	535.502269	1.20855E-05	0.013187258
1091.19998	585.30144	1.32094E-05	0.014414139
1091.23998	624.839468	1.41018E-05	0.0153884
1091.27998	627.427774	1.41602E-05	0.015452711
1091.31998	546.692137	1.23381E-05	0.013464793
1091.35998	449.31423	1.01404E-05	0.011066823
1091.39998	380.902166	8.59643E-06	0.009382145
1091.43998	330.417248	7.45706E-06	0.00813893
1091.47998	286.759132	6.47175E-06	0.00706379
1091.51998	240.690089	5.43204E-06	0.00592918
1091.55998	239.599263	5.40742E-06	0.005902525
1091.59998	272.988114	6.16096E-06	0.006725305
1091.63998	282.145963	6.36764E-06	0.006951172
1091.67998	304.870333	6.8805E-06	0.007511303
1091.71998	329.123849	7.42787E-06	0.008109151
1091.75998	324.19894	7.31672E-06	0.0079881
1091.79998	300.298605	6.77732E-06	0.007399479
1091.83998	274.228823	6.18896E-06	0.006757357
1091.87998	262.249688	5.91861E-06	0.006462412
1091.91998	271.915731	6.13676E-06	0.00670085
1091.95998	255.468735	5.76557E-06	0.006295776
1091.99998	253.408076	5.71907E-06	0.006245221
1092.03998	275.953835	6.22789E-06	0.006801109
1092.07998	303.795729	6.85625E-06	0.007487569

1092.11998	342.843655	7.7375E-06	0.008450282
1092.15998	389.978834	8.80128E-06	0.009612405
1092.19998	464.318511	1.0479E-05	0.011445188
1092.23998	496.33872	1.12017E-05	0.012234916
1092.27998	472.082015	1.06542E-05	0.011637406
1092.31998	464.089826	1.04739E-05	0.011440808
1092.35998	451.343466	1.01862E-05	0.01112699
1092.39998	400.489912	9.0385E-06	0.009873657
1092.43998	339.631815	7.66502E-06	0.008373571
1092.47998	287.5397	6.48937E-06	0.007089507
1092.51998	274.757731	6.2009E-06	0.006774606
1092.55998	279.924197	6.3175E-06	0.006902247
1092.59998	280.643881	6.33374E-06	0.006920246
1092.63998	293.56085	6.62526E-06	0.007239023
1092.67998	322.978214	7.28917E-06	0.007964728
1092.71998	325.762844	7.35201E-06	0.008033692
1092.75998	285.655136	6.44684E-06	0.007044847
1092.79998	236.091411	5.32825E-06	0.005822716
1092.83998	231.727951	5.22978E-06	0.005715309
1092.87998	229.60239	5.18181E-06	0.005663092
1092.91998	245.057668	5.53061E-06	0.006044514
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1092.99998	358.228763	8.08472E-06	0.008836603
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1093.11998	429.154026	9.68541E-06	0.010587314
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1093.31998	526.408454	1.18803E-05	0.012988975
1093.35998	460.677641	1.03969E-05	0.011367503
1093.39998	385.283277	8.69531E-06	0.009507448
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1093.47998	290.573746	6.55784E-06	0.007170872
1093.51998	265.343168	5.98843E-06	0.006548463
1093.55998	244.338263	5.51437E-06	0.006030299
1093.59998	241.759125	5.45617E-06	0.005966864
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1093.67998	272.033021	6.13941E-06	0.006714546
1093.71998	257.628381	5.81431E-06	0.006359231
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1093.79998	285.723273	6.44838E-06	0.007053234
1093.83998	263.011342	5.9358E-06	0.006492815
1093.87998	234.688236	5.29659E-06	0.00579383
1093.91998	228.108343	5.14809E-06	0.005631596

1093.95998	255.564352	5.76773E-06	0.006309667
1093.99998	284.278795	6.41578E-06	0.007018859
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1094.19998	497.922865	1.12374E-05	0.012295991
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1095.07998	377.223776	8.51342E-06	0.009322871
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1095.51998	284.258096	6.41531E-06	0.0070281
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1096.31998	422.989286	9.54628E-06	0.010465776
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1096.39998	362.573355	8.18278E-06	0.008971595
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1098.87998	315.198592	7.11359E-06	0.007816985
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1098.95998	262.969134	5.93485E-06	0.006522159
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1100.07998	345.129141	7.78908E-06	0.008568615
1100.11998	394.883506	8.91197E-06	0.009804237
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1100.27998	467.3339	1.05471E-05	0.011604736
1100.31998	433.04583	9.77324E-06	0.010753693
1100.35998	385.389697	8.69771E-06	0.009570611
1100.39998	338.876891	7.64798E-06	0.008415836
1100.43998	306.682079	6.92139E-06	0.007616571
1100.47998	291.988861	6.58978E-06	0.007251923
1100.51998	283.851626	6.40614E-06	0.00705008
1100.55998	290.062618	6.54631E-06	0.007204606
1100.59998	293.017735	6.613E-06	0.00727827
1100.63998	285.252913	6.43776E-06	0.007085657
1100.67998	305.963093	6.90516E-06	0.007600372
1100.71998	330.356395	7.45568E-06	0.00820662
1100.75998	338.600337	7.64174E-06	0.008411719
1100.79998	338.349089	7.63607E-06	0.008405783
1100.83998	310.35701	7.00433E-06	0.007710641
1100.87998	281.194115	6.34616E-06	0.00698636
1100.91998	295.364708	6.66597E-06	0.0073387
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1101.07998	434.243471	9.80027E-06	0.010790881
1101.11998	503.140598	1.13552E-05	0.012503418
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1101.19998	612.981326	1.38341E-05	0.015234149
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1101.31998	486.71045	1.09844E-05	0.012097314
1101.35998	436.968496	9.86177E-06	0.010861359
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1101.43998	316.515585	7.14332E-06	0.007867934
1101.47998	282.555078	6.37687E-06	0.007024
1101.51998	246.205256	5.55651E-06	0.006120606
1101.55998	247.456121	5.58474E-06	0.006151926
1101.59998	263.868377	5.95514E-06	0.006560184
1101.63998	283.595765	6.40036E-06	0.007050894
1101.67998	304.503266	6.87221E-06	0.007570981
1101.71998	297.823355	6.72146E-06	0.007405165
1101.75998	291.906668	6.58793E-06	0.007258314
1101.79998	307.703935	6.94445E-06	0.007651394
1101.83998	307.219777	6.93352E-06	0.007639632
1101.87998	311.074511	7.02052E-06	0.007735769
1101.91998	309.64352	6.98822E-06	0.007700462
1101.95998	308.384044	6.9598E-06	0.007669419
1101.99998	313.671956	7.07914E-06	0.007801211
1102.03998	338.384956	7.63688E-06	0.008416144
1102.07998	388.558884	8.76923E-06	0.009664396
1102.11998	457.50756	1.03253E-05	0.011379729
1102.15998	528.737249	1.19329E-05	0.013151924
1102.19998	580.608121	1.31035E-05	0.014442696
1102.23998	579.693743	1.30829E-05	0.014420474
1102.27998	574.62741	1.29685E-05	0.014294962
1102.31998	517.769272	1.16853E-05	0.012880974
1102.35998	427.07893	9.63858E-06	0.010625181
1102.39998	373.663513	8.43307E-06	0.009296611
1102.43998	349.693249	7.89209E-06	0.008700555
1102.47998	313.453855	7.07422E-06	0.007799183
1102.51998	292.980246	6.61216E-06	0.007290034
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1102.59998	288.818045	6.51822E-06	0.00718699
1102.63998	314.076071	7.08826E-06	0.007815798
1102.67998	337.382779	7.61426E-06	0.008396091
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1102.75998	333.672622	7.53053E-06	0.008304363
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1102.83998	272.932017	6.1597E-06	0.006793158
1102.87998	286.24438	6.46014E-06	0.007124756
1102.91998	286.287527	6.46111E-06	0.007126088
1102.95998	313.428361	7.07364E-06	0.007801944
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1103.03998	381.141327	8.60183E-06	0.009488161
1103.07998	428.798046	9.67737E-06	0.010674918
1103.11998	477.567149	1.0778E-05	0.011889455

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1103.19998	555.794424	1.25435E-05	0.013837996
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1103.27998	546.165403	1.23262E-05	0.013599241
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1103.35998	460.053292	1.03828E-05	0.011455924
1103.39998	378.194743	8.53533E-06	0.009417881
1103.43998	334.72032	7.55417E-06	0.008335575
1103.47998	307.262986	6.9345E-06	0.007652079
1103.51998	286.903261	6.47501E-06	0.0071453
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1103.59998	267.558914	6.03843E-06	0.006664013
1103.63998	240.783061	5.43414E-06	0.005997332
1103.67998	254.934885	5.75353E-06	0.006350051
1103.71998	272.420151	6.14814E-06	0.006785829
1103.75998	272.058369	6.13998E-06	0.006777062
1103.79998	268.434694	6.0582E-06	0.006687038
1103.83998	264.588014	5.97138E-06	0.006591451
1103.87998	267.29597	6.0325E-06	0.006659153
1103.91998	254.70389	5.74831E-06	0.006345676
1103.95998	243.723309	5.5005E-06	0.006072327
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1113.67998	250.169736	5.64598E-06	0.006287818
1113.71998	256.804125	5.79571E-06	0.0064548
1113.75998	261.389962	5.89921E-06	0.006570301
1113.79998	257.681099	5.8155E-06	0.006477308
1113.83998	246.066589	5.55338E-06	0.006185577
1113.87998	221.329673	4.9951E-06	0.005563945
1113.91998	234.331025	5.28852E-06	0.005890993
1113.95998	267.108189	6.02826E-06	0.00671524
1113.99998	302.093328	6.81783E-06	0.007595058
1114.03998	325.876576	7.35458E-06	0.008193297
1114.07998	334.16475	7.54163E-06	0.008401982
1114.11998	371.201911	8.37751E-06	0.009333551
1114.15998	415.691799	9.38158E-06	0.010452586

1114.19998	487.543812	1.10032E-05	0.012259748
1114.23998	503.143296	1.13552E-05	0.012652466
1114.27998	469.972503	1.06066E-05	0.01181875
1114.31998	433.880598	9.79208E-06	0.010911511
1114.35998	397.112709	8.96228E-06	0.009987207
1114.39998	355.503696	8.02322E-06	0.00894108
1114.43998	319.322131	7.20666E-06	0.008031385
1114.47998	285.233944	6.43733E-06	0.007174279
1114.51998	279.32726	6.30403E-06	0.007025964
1114.55998	296.429347	6.69E-06	0.007456403
1114.59998	298.033312	6.7262E-06	0.007497019
1114.63998	282.661119	6.37927E-06	0.007110587
1114.67998	291.540381	6.57966E-06	0.007334216
1114.71998	317.263721	7.1602E-06	0.007981618
1114.75998	323.433699	7.29945E-06	0.008137133
1114.79998	317.47407	7.16495E-06	0.007987483
1114.83998	320.610939	7.23574E-06	0.008066695
1114.87998	341.864851	7.71541E-06	0.00860176
1114.91998	347.690928	7.8469E-06	0.008748666
1114.95998	358.256271	8.08535E-06	0.009014836
1114.99998	403.017542	9.09554E-06	0.010141532
1115.03998	444.798356	1.00385E-05	0.011193306
1115.07998	510.077614	1.15117E-05	0.012836512
1115.11998	577.376	1.30306E-05	0.014530651
1115.15998	618.163566	1.39511E-05	0.015557698
1115.19998	658.453779	1.48604E-05	0.016572301
1115.23998	642.231173	1.44943E-05	0.016164582
1115.27998	635.342749	1.43388E-05	0.015991778
1115.31998	607.514228	1.37107E-05	0.015291873
1115.35998	516.633914	1.16597E-05	0.013004771
1115.39998	416.632783	9.40282E-06	0.010487907
1115.43998	342.731019	7.73496E-06	0.008627886
1115.47998	284.691291	6.42509E-06	0.007167055
1115.51998	252.951024	5.70875E-06	0.006368227
1115.55998	255.107557	5.75742E-06	0.00642275
1115.59998	250.194293	5.64654E-06	0.006299276
1115.63998	253.953432	5.73138E-06	0.006394151
1115.67998	270.534409	6.10558E-06	0.006811879
1115.71998	263.298319	5.94228E-06	0.006629916
1115.75998	243.690635	5.49976E-06	0.00613641
1115.79998	254.967651	5.75426E-06	0.006420608
1115.83998	262.890994	5.93308E-06	0.006620372
1115.87998	269.937757	6.09212E-06	0.006798074
1115.91998	260.134605	5.87088E-06	0.006551427
1115.95998	263.274841	5.94175E-06	0.006630751
1115.99998	292.323842	6.59734E-06	0.007362633

1116.03998	336.931155	7.60407E-06	0.008486443
1116.07998	379.695524	8.5692E-06	0.009563912
1116.11998	402.826447	9.09123E-06	0.010146905
1116.15998	440.951025	9.95165E-06	0.011107634
1116.19998	502.511432	1.1341E-05	0.012658805
1116.23998	549.909577	1.24107E-05	0.013853312
1116.27998	561.775826	1.26785E-05	0.014152753
1116.31998	517.618167	1.16819E-05	0.013040762
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1116.43998	330.333784	7.45517E-06	0.008323254
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1116.67998	279.307112	6.30357E-06	0.007039073
1116.71998	275.945669	6.22771E-06	0.006954608
1116.75998	303.853649	6.85755E-06	0.007658241
1116.79998	313.474239	7.07468E-06	0.007900999
1116.83998	278.803415	6.2922E-06	0.007027386
1116.87998	275.497384	6.21759E-06	0.006944304
1116.91998	308.730137	6.96761E-06	0.007782262
1116.95998	337.123045	7.6084E-06	0.008498276
1116.99998	366.568758	8.27295E-06	0.009240881
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1117.07998	452.019415	1.02014E-05	0.011395834
1117.11998	545.393305	1.23088E-05	0.01375037
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1117.199979	603.748231	1.36258E-05	0.015222695
1117.239979	601.558606	1.35763E-05	0.01516803
1117.279979	572.768063	1.29266E-05	0.014442606
1117.319979	513.177958	1.15817E-05	0.012940478
1117.359979	410.412006	9.26243E-06	0.010349466
1117.399979	342.086709	7.72042E-06	0.008626798
1117.439979	308.767268	6.96845E-06	0.007786821
1117.479979	261.404721	5.89954E-06	0.006592618
1117.519979	225.614506	5.09181E-06	0.005690194
1117.559979	230.72547	5.20715E-06	0.005819305
1117.599979	238.054209	5.37255E-06	0.006004364
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1117.679979	272.7793	6.15625E-06	0.006880716
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1117.759979	248.408696	5.60624E-06	0.006266429
1117.799979	243.598505	5.49768E-06	0.006145305
1117.839979	252.602274	5.70088E-06	0.006372673

1117.879979	271.774402	6.13357E-06	0.006856595
1117.919979	261.892634	5.91055E-06	0.006607524
1117.959979	275.091764	6.20844E-06	0.006940785
1117.999979	297.998207	6.7254E-06	0.007519002
1118.039979	303.986939	6.86056E-06	0.007670382
1118.079979	325.359677	7.34291E-06	0.008209966
1118.119979	382.332755	8.62872E-06	0.009647942
1118.159979	425.585778	9.60488E-06	0.01073979
1118.199979	461.497622	1.04154E-05	0.011646454
1118.239979	491.167917	1.1085E-05	0.012395663
1118.279979	464.410604	1.04811E-05	0.011720805
1118.319979	415.405381	9.37512E-06	0.010484385
1118.359979	369.443714	8.33783E-06	0.009324695
1118.399979	316.718901	7.1479E-06	0.007994216
1118.439979	293.335911	6.62018E-06	0.007404277
1118.479979	276.664251	6.24393E-06	0.006983707
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1118.559979	291.158804	6.57105E-06	0.007350112
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1118.879979	242.644616	5.47615E-06	0.006127156
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1119.079979	415.797617	9.38397E-06	0.010501416
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1119.239979	519.645572	1.17277E-05	0.013126085
1119.279979	536.842298	1.21158E-05	0.013560953
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1119.359979	438.306912	9.89198E-06	0.011072683
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1119.479979	270.690849	6.10912E-06	0.006839032
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1120.479979	255.497941	5.76623E-06	0.006460948
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1121.279979	537.270308	1.21254E-05	0.013596016
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1121.479979	266.817866	6.02171E-06	0.006753225
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1122.359979	361.314632	8.15437E-06	0.009152136
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1122.519979	263.732423	5.95207E-06	0.006681321
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1124.039979	284.453387	6.41972E-06	0.007216018
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1124.199979	441.735444	9.96935E-06	0.011207547
1124.239979	454.135695	1.02492E-05	0.011522572
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1124.519979	267.616069	6.03972E-06	0.006791788
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1125.199979	516.356643	1.16535E-05	0.013112462

1125.239979	506.019692	1.14202E-05	0.01285042
1125.279979	505.853679	1.14164E-05	0.012846661
1125.319979	460.801466	1.03996E-05	0.011702931
1125.359979	423.6381	9.56092E-06	0.010759479
1125.399979	387.03934	8.73494E-06	0.0098303
1125.439979	331.614179	7.48407E-06	0.008422872
1125.479979	288.750255	6.51669E-06	0.007334405
1125.519979	235.925962	5.32452E-06	0.005992854
1125.559979	217.125602	4.90022E-06	0.005515494
1125.599979	228.381068	5.15424E-06	0.005801615
1125.639979	247.016165	5.57481E-06	0.00627523
1125.679979	275.176895	6.21036E-06	0.006990877
1125.719979	276.690231	6.24451E-06	0.007029573
1125.759979	280.966179	6.34102E-06	0.007138461
1125.799979	272.710347	6.15469E-06	0.006928953
1125.839979	251.601456	5.67829E-06	0.006392851
1125.879979	251.011784	5.66499E-06	0.006378095
1125.919979	275.476628	6.21712E-06	0.006999984
1125.959979	270.849536	6.1127E-06	0.006882652
1125.999979	251.508698	5.6762E-06	0.006391402
1126.039979	265.92205	6.00149E-06	0.006757918
1126.079979	316.669101	7.14678E-06	0.008047846
1126.119979	369.376016	8.3363E-06	0.009387676
1126.159979	423.784029	9.56422E-06	0.010770836
1126.199979	460.649854	1.03962E-05	0.011708229
1126.239979	470.972118	1.06292E-05	0.011971013
1126.279979	449.438205	1.01432E-05	0.011424077
1126.319979	411.706312	9.29164E-06	0.010465358
1126.359979	384.728655	8.68279E-06	0.009779947
1126.399979	360.843437	8.14373E-06	0.009173102
1126.439979	310.662455	7.01122E-06	0.007897717
1126.479979	286.024378	6.45517E-06	0.007271622
1126.519979	266.971149	6.02517E-06	0.006787471
1126.559979	227.284195	5.12949E-06	0.005778676
1126.599979	222.698892	5.026E-06	0.005662296
1126.639979	248.112439	5.59955E-06	0.006308679
1126.679979	269.874767	6.0907E-06	0.006862267
1126.719979	261.76288	5.90762E-06	0.006656238
1126.759979	275.961379	6.22806E-06	0.007017533
1126.799979	296.567857	6.69312E-06	0.007541811
1126.839979	303.90927	6.85881E-06	0.00772878
1126.879979	304.499566	6.87213E-06	0.007744067
1126.919979	295.060675	6.65911E-06	0.007504282
1126.959979	287.878595	6.49702E-06	0.00732188
1126.999979	330.619856	7.46163E-06	0.008409256
1127.039979	378.927273	8.55186E-06	0.009638289

1127.079979	395.594575	8.92802E-06	0.010062591
1127.119979	440.501857	9.94151E-06	0.011205278
1127.159979	505.96494	1.14189E-05	0.012870954
1127.199979	560.799724	1.26565E-05	0.014266371
1127.239979	585.190939	1.32069E-05	0.014887396
1127.279979	560.311828	1.26455E-05	0.014254971
1127.319979	509.487161	1.14984E-05	0.012962394
1127.359979	426.783832	9.63192E-06	0.010858637
1127.399979	336.756672	7.60013E-06	0.008568385
1127.439979	297.474698	6.71359E-06	0.007569169
1127.479979	280.45747	6.32953E-06	0.007136423
1127.519979	258.630246	5.83692E-06	0.006581249
1127.559979	241.668957	5.45413E-06	0.006149861
1127.599979	237.925405	5.36964E-06	0.006054812
1127.639979	237.197306	5.35321E-06	0.006036497
1127.679979	243.104454	5.48653E-06	0.006187049
1127.719979	255.735661	5.7716E-06	0.006508746
1127.759979	273.581948	6.17436E-06	0.0069632
1127.799979	287.263487	6.48314E-06	0.007311682
1127.839979	280.920491	6.33998E-06	0.007150488
1127.879979	241.908789	5.45954E-06	0.006157711
1127.919979	228.973323	5.16761E-06	0.005828649
1127.959979	257.051474	5.80129E-06	0.006543627
1127.999979	297.676745	6.71815E-06	0.007578073
1128.039979	331.911873	7.49079E-06	0.008449909
1128.079979	350.633229	7.9133E-06	0.008926839
1128.119979	385.170693	8.69277E-06	0.009806483
1128.159979	426.696454	9.62994E-06	0.010864118
1128.199979	437.898919	9.88277E-06	0.011149739
1128.239979	462.783662	1.04444E-05	0.01178377
1128.279979	466.479591	1.05278E-05	0.0118783
1128.319979	418.895211	9.45388E-06	0.010667003
1128.359979	339.390275	7.65957E-06	0.008642747
1128.399979	297.111284	6.70539E-06	0.007566359
1128.439979	294.162941	6.63885E-06	0.007491541
1128.479979	276.909356	6.24946E-06	0.007052389
1128.519979	259.740025	5.86197E-06	0.006615351
1128.559979	235.642006	5.31811E-06	0.006001808
1128.599979	241.912818	5.45964E-06	0.006161744
1128.639979	246.48945	5.56292E-06	0.006278538
1128.679979	265.788061	5.99847E-06	0.006770349
1128.719979	268.417426	6.05781E-06	0.006837568
1128.759979	255.095795	5.75716E-06	0.006498448
1128.799979	281.037897	6.34263E-06	0.007159565
1128.839979	301.149732	6.79653E-06	0.007672195
1128.879979	289.240093	6.52775E-06	0.007369042

1128.919979	285.529856	6.44401E-06	0.007274773
1128.959979	293.842647	6.63162E-06	0.007486833
1128.999979	322.546298	7.27942E-06	0.008218466
1129.039979	360.565813	8.13747E-06	0.009187527
1129.079979	417.18495	9.41528E-06	0.010630608
1129.119979	456.092692	1.02934E-05	0.011622457
1129.159979	462.118728	1.04294E-05	0.011776434
1129.199979	495.972601	1.11934E-05	0.012639599
1129.239979	529.021421	1.19393E-05	0.013482308
1129.279979	512.514628	1.15667E-05	0.013062089
1129.319979	481.437382	1.08654E-05	0.012270481
1129.359979	410.644242	9.26767E-06	0.010466534
1129.399979	351.230432	7.92678E-06	0.008952507
1129.439979	316.721654	7.14797E-06	0.008073199
1129.479979	279.26239	6.30256E-06	0.007118619
1129.519979	242.727208	5.47801E-06	0.006187527
1129.559979	216.889271	4.89489E-06	0.00552907
1129.599979	229.477736	5.17899E-06	0.00585019
1129.639979	256.218681	5.7825E-06	0.006532142
1129.679979	264.229921	5.9633E-06	0.006736622
1129.719979	258.624803	5.8368E-06	0.006593951
1129.759979	256.040419	5.77848E-06	0.00652829
1129.799979	275.178303	6.21039E-06	0.0070165
1129.839979	274.258381	6.18963E-06	0.006993291
1129.879979	251.307644	5.67166E-06	0.006408299
1129.919979	267.806311	6.04402E-06	0.006829254
1129.959979	280.399982	6.32824E-06	0.007150655
1129.999979	273.453801	6.17147E-06	0.006973763
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1130.079979	297.096252	6.70505E-06	0.007577241
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1130.159979	424.2328	9.57434E-06	0.01082054
1130.199979	433.030574	9.7729E-06	0.011045328
1130.239979	433.170779	9.77606E-06	0.011049295
1130.279979	451.014107	1.01788E-05	0.011504849
1130.319979	448.061778	1.01121E-05	0.011429943
1130.359979	389.884449	8.79915E-06	0.009946206
1130.399979	357.1307	8.05994E-06	0.009110959
1130.439979	332.298812	7.49952E-06	0.008477759
1130.479979	280.237019	6.32456E-06	0.007149788
1130.519979	229.786724	5.18597E-06	0.005862839
1130.559979	216.274742	4.88102E-06	0.005518286
1130.599979	242.01257	5.46189E-06	0.006175209
1130.639979	277.278111	6.25778E-06	0.007075297
1130.679979	305.710842	6.89947E-06	0.00780109
1130.719979	297.214082	6.70771E-06	0.007584539

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1130.839979	268.804409	6.06654E-06	0.006860287
1130.879979	282.177289	6.36835E-06	0.007201838
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1131.079979	379.76823	8.57084E-06	0.009694306
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1131.159979	457.950182	1.03353E-05	0.011690875
1131.199979	523.255862	1.18092E-05	0.013358517
1131.239979	556.720338	1.25644E-05	0.014213355
1131.279979	511.787363	1.15503E-05	0.013066655
1131.319979	469.302327	1.05915E-05	0.011982375
1131.359979	433.779952	9.78981E-06	0.011075798
1131.399979	400.061769	9.02884E-06	0.010215226
1131.439979	349.928954	7.89741E-06	0.008935444
1131.479979	287.184263	6.48135E-06	0.007333516
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1131.559979	247.85398	5.59372E-06	0.006329629
1131.599979	239.010447	5.39413E-06	0.006104001
1131.639979	233.569276	5.27133E-06	0.005965251
1131.679979	251.855831	5.68404E-06	0.006432509
1131.719979	252.643387	5.70181E-06	0.006452852
1131.759979	251.436016	5.67456E-06	0.006422241
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1132.079979	303.13906	6.84143E-06	0.007745042
1132.119979	336.370401	7.59141E-06	0.008594389
1132.159979	396.642296	8.95166E-06	0.010134716
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1132.639979	255.094819	5.75713E-06	0.006520761
1132.679979	261.384186	5.89908E-06	0.006681766
1132.719979	240.043676	5.41745E-06	0.006136455
1132.759979	245.753656	5.54632E-06	0.006282647
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1132.879979	285.62516	6.44616E-06	0.007302728
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1132.959979	284.517886	6.42117E-06	0.007274931
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1133.159979	512.814374	1.15735E-05	0.013114634
1133.199979	520.288481	1.17422E-05	0.013306245
1133.239979	529.980606	1.19609E-05	0.013554597
1133.279979	536.655461	1.21116E-05	0.013725796
1133.319979	510.688732	1.15255E-05	0.013062117
1133.359979	446.096103	1.00678E-05	0.011410405
1133.399979	373.711131	8.43414E-06	0.009559254
1133.439979	309.950582	6.99515E-06	0.007928586
1133.479979	287.651538	6.49189E-06	0.007358432
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1133.559979	262.119944	5.91568E-06	0.00670578
1133.599979	258.858719	5.84208E-06	0.006622583
1133.639979	276.248982	6.23455E-06	0.007067741
1133.679979	278.153069	6.27753E-06	0.007116707
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1133.879979	278.576044	6.28707E-06	0.007128787
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1134.199979	480.179913	1.0837E-05	0.012291316
1134.239979	476.978843	1.07647E-05	0.012209808
1134.279979	465.276462	1.05006E-05	0.011910668
1134.319979	402.036429	9.0734E-06	0.010292141
1134.359979	363.250259	8.19805E-06	0.009299543
1134.399979	336.816688	7.60148E-06	0.008623123

1134.439979	307.273212	6.93473E-06	0.007867033
1134.479979	281.933213	6.36284E-06	0.007218514
1134.519979	294.464929	6.64566E-06	0.007539638
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1134.679979	342.679755	7.7338E-06	0.008775393
1134.719979	336.33862	7.59069E-06	0.008613312
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1134.879979	333.186697	7.51956E-06	0.008533798
1134.919979	326.280548	7.3637E-06	0.008357207
1134.959979	331.17397	7.47414E-06	0.008482844
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1135.119979	582.632714	1.31492E-05	0.01492593
1135.159979	630.055765	1.42195E-05	0.016141386
1135.199979	681.976509	1.53913E-05	0.017472158
1135.239979	719.929898	1.62478E-05	0.018445169
1135.279979	695.925499	1.57061E-05	0.017830786
1135.319979	637.251232	1.43819E-05	0.016328027
1135.359979	563.906514	1.27266E-05	0.014449255
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1135.599979	234.635168	5.29539E-06	0.006013444
1135.639979	237.419642	5.35823E-06	0.006085021
1135.679979	270.381264	6.10213E-06	0.006930065
1135.719979	292.486643	6.60102E-06	0.007496906
1135.759979	289.740401	6.53904E-06	0.007426777
1135.799979	285.706244	6.44799E-06	0.007323629
1135.839979	290.109681	6.54737E-06	0.007436766
1135.879979	271.663792	6.13107E-06	0.006964164
1135.919979	245.688392	5.54484E-06	0.0062985
1135.959979	259.288522	5.85178E-06	0.006647389
1135.999979	323.7811	7.30729E-06	0.00830108
1136.039979	366.388279	8.26887E-06	0.00939377
1136.079979	398.20306	8.98689E-06	0.010209824
1136.119979	427.229389	9.64197E-06	0.010954437
1136.159979	468.978604	1.05842E-05	0.012025337
1136.199979	486.503211	1.09797E-05	0.012475135
1136.239979	484.28974	1.09297E-05	0.012418813

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1136.359979	386.957741	8.7331E-06	0.009923942
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1136.439979	351.712442	7.93766E-06	0.009020674
1136.479979	279.524898	6.30849E-06	0.00716947
1136.519979	238.795282	5.38928E-06	0.006125021
1136.559979	234.953704	5.30258E-06	0.006026698
1136.599979	224.981113	5.07751E-06	0.005771098
1136.639979	216.441886	4.88479E-06	0.00555225
1136.679979	241.388923	5.44781E-06	0.006192419
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1136.799979	323.626648	7.3038E-06	0.008302963
1136.839979	288.907507	6.52024E-06	0.00741247
1136.879979	262.17976	5.91703E-06	0.006726955
1136.919979	264.724233	5.97446E-06	0.00679248
1136.959979	268.648951	6.06303E-06	0.006893425
1136.999979	284.008157	6.40967E-06	0.007287793
1137.039979	330.895725	7.46786E-06	0.00849125
1137.079979	389.780632	8.79681E-06	0.010002672
1137.119979	437.822908	9.88105E-06	0.011235943
1137.159979	497.889871	1.12367E-05	0.012777904
1137.199979	527.984234	1.19159E-05	0.013550726
1137.239979	550.521629	1.24245E-05	0.014129645
1137.279979	555.317169	1.25327E-05	0.014253229
1137.319979	527.810673	1.1912E-05	0.013547701
1137.359979	488.219492	1.10184E-05	0.012531926
1137.399979	404.855124	9.13702E-06	0.010392442
1137.439979	329.406402	7.43424E-06	0.008456006
1137.479979	289.396786	6.53128E-06	0.007429203
1137.519979	245.740452	5.54602E-06	0.006308708
1137.559979	212.715415	4.80069E-06	0.005461074
1137.599979	224.555044	5.06789E-06	0.005765237
1137.639979	264.713306	5.97421E-06	0.006796501
1137.679979	274.138749	6.18693E-06	0.007038746
1137.719979	255.15136	5.75841E-06	0.006551459
1137.759979	254.166592	5.73619E-06	0.006526403
1137.799979	301.785682	6.81088E-06	0.007749422
1137.839979	295.078017	6.6595E-06	0.007577445
1137.879979	256.509649	5.78907E-06	0.006587262
1137.919979	229.660701	5.18312E-06	0.005897978
1137.959979	217.321002	4.90463E-06	0.005581275
1137.999979	229.957953	5.18983E-06	0.005906027
1138.039979	277.313126	6.25857E-06	0.007122504
1138.079979	324.576178	7.32523E-06	0.0083367

1138.119979	358.627533	8.09372E-06	0.009211629
1138.159979	411.371485	9.28408E-06	0.01056677
1138.199979	431.815622	9.74548E-06	0.011092302
1138.239979	442.755221	9.99237E-06	0.011373713
1138.279979	447.358661	1.00963E-05	0.011492373
1138.319979	413.47581	9.33157E-06	0.010622316
1138.359979	343.553852	7.75353E-06	0.00882631
1138.399979	284.332255	6.41698E-06	0.007305093
1138.439979	271.805067	6.13426E-06	0.006983489
1138.479979	263.653424	5.95029E-06	0.006774287
1138.519979	250.658001	5.657E-06	0.00644061
1138.559979	237.419256	5.35822E-06	0.006100657
1138.599979	225.308575	5.0849E-06	0.005789668
1138.639979	241.585176	5.45224E-06	0.006208139
1138.679979	261.97302	5.91237E-06	0.006732293
1138.719979	266.656032	6.01806E-06	0.00685288
1138.759979	251.660198	5.67962E-06	0.006467724
1138.799979	249.088543	5.62158E-06	0.006401857
1138.839979	262.570488	5.92585E-06	0.006748595
1138.879979	268.159007	6.05198E-06	0.006892473
1138.919979	253.010389	5.71009E-06	0.006503338
1138.959979	250.804991	5.66032E-06	0.006446877
1138.999979	262.531812	5.92498E-06	0.006748549
1139.039979	297.865928	6.72242E-06	0.007657104
1139.079979	355.364498	8.02008E-06	0.009135515
1139.119979	420.085371	9.48074E-06	0.010799702
1139.159979	475.358092	1.07282E-05	0.012221102
1139.199979	537.380076	1.21279E-05	0.013816126
1139.239979	566.805112	1.2792E-05	0.01457316
1139.279979	516.513418	1.1657E-05	0.013280574
1139.319979	439.676298	9.92288E-06	0.011305337
1139.359979	401.778473	9.06758E-06	0.010331238
1139.399979	373.880171	8.43795E-06	0.009614205
1139.439979	313.228804	7.06914E-06	0.008054858
1139.479979	244.235541	5.51206E-06	0.006280877
1139.519979	206.445216	4.65918E-06	0.00530923
1139.559979	196.406726	4.43263E-06	0.005051243
1139.599979	217.200414	4.90191E-06	0.005586217
1139.639979	249.675936	5.63484E-06	0.006421687
1139.679979	288.083183	6.50164E-06	0.007409785
1139.719979	278.004252	6.27417E-06	0.007150795
1139.759979	258.936486	5.84384E-06	0.00666057
1139.799979	271.873802	6.13581E-06	0.0069936
1139.839979	262.770326	5.93036E-06	0.006759662
1139.879979	254.593415	5.74582E-06	0.006549544
1139.919979	256.838885	5.7965E-06	0.006607541

1139.959979	250.03524	5.64295E-06	0.006432734
1139.999979	262.518314	5.92467E-06	0.006754127
1140.039979	278.830471	6.29282E-06	0.007174061
1140.079979	327.204149	7.38454E-06	0.008418968
1140.119979	379.83739	8.5724E-06	0.009773565
1140.159979	370.066991	8.3519E-06	0.009522498
1140.199979	340.526657	7.68521E-06	0.008762679
1140.239979	336.13003	7.58599E-06	0.008649845
1140.279979	348.145416	7.85716E-06	0.008959359
1140.319979	380.459925	8.58645E-06	0.009791301
1140.359979	379.477949	8.56429E-06	0.009766372
1140.399979	355.576448	8.02487E-06	0.009151556
1140.439979	315.704045	7.125E-06	0.008125635
1140.479979	261.231446	5.89563E-06	0.006723848
1140.519979	233.664506	5.27348E-06	0.006014512
1140.559979	225.877737	5.09775E-06	0.005814285
1140.599979	219.778649	4.9601E-06	0.005657488
1140.639979	233.262511	5.26441E-06	0.006004796
1140.679979	243.278231	5.49045E-06	0.006262847
1140.719979	261.054116	5.89163E-06	0.006720698
1140.759979	283.373986	6.39536E-06	0.007295566
1140.799979	270.636503	6.10789E-06	0.00696788
1140.839979	250.349995	5.65005E-06	0.006445804
1140.879979	255.009714	5.75521E-06	0.006566008
1140.919979	247.782399	5.5921E-06	0.006380143
1140.959979	262.829772	5.9317E-06	0.006767834
1140.999979	280.766063	6.3365E-06	0.007229945
1141.039979	318.009458	7.17703E-06	0.008189279
1141.079979	355.766321	8.02915E-06	0.009161903
1141.119979	391.656475	8.83914E-06	0.010086521
1141.159979	462.080686	1.04285E-05	0.011900607
1141.199979	507.201199	1.14468E-05	0.013063116
1141.239979	499.012423	1.1262E-05	0.012852662
1141.279979	469.825603	1.06033E-05	0.012101345
1141.319979	457.070113	1.03154E-05	0.011773213
1141.359979	428.010281	9.6596E-06	0.011025076
1141.399979	382.748184	8.63809E-06	0.00985952
1141.439979	313.121478	7.06672E-06	0.008066232
1141.479979	246.039651	5.55277E-06	0.006338378
1141.519979	226.263306	5.10645E-06	0.005829112
1141.559979	223.090866	5.03485E-06	0.005747583
1141.599979	213.110254	4.8096E-06	0.005490641
1141.639979	210.67922	4.75474E-06	0.005428197
1141.679979	235.713035	5.31971E-06	0.006073412
1141.719979	262.291174	5.91955E-06	0.006758464
1141.759979	273.038207	6.16209E-06	0.00703563

1141.799979	252.724214	5.70363E-06	0.006512409
1141.839979	231.158367	5.21692E-06	0.005956891
1141.879979	232.46978	5.24652E-06	0.005990895
1141.919979	229.93827	5.18939E-06	0.005925864
1141.959979	237.234249	5.35405E-06	0.006114107
1141.999979	259.984722	5.86749E-06	0.006700677
1142.039979	283.855759	6.40623E-06	0.00731617
1142.079979	317.542538	7.16649E-06	0.008184708
1142.119979	378.108123	8.53337E-06	0.009746137
1142.159979	407.631775	9.19968E-06	0.010507508
1142.199979	402.432726	9.08235E-06	0.010373856
1142.239979	376.922208	8.50661E-06	0.009716589
1142.279979	353.600521	7.98027E-06	0.009115704
1142.319979	344.334619	7.77115E-06	0.008877143
1142.359979	344.506777	7.77504E-06	0.008881892
1142.399979	325.747205	7.35166E-06	0.008398537
1142.439979	285.739436	6.44874E-06	0.0073673
1142.479979	258.714714	5.83883E-06	0.006670747
1142.519979	229.635553	5.18255E-06	0.005921172
1142.559979	206.774083	4.6666E-06	0.005331874
1142.599979	235.667017	5.31868E-06	0.006077119
1142.639979	297.422232	6.71241E-06	0.007669863
1142.679979	350.916427	7.91969E-06	0.009049677
1142.719979	348.793357	7.87178E-06	0.008995241
1142.759979	321.916	7.2652E-06	0.008302375
1142.799979	294.007411	6.63534E-06	0.007582864
1142.839979	275.644423	6.22091E-06	0.007109505
1142.879979	279.350747	6.30456E-06	0.007205352
1142.919979	297.068407	6.70442E-06	0.007662616
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1142.999979	310.214809	7.00112E-06	0.008002276
1143.039979	330.825666	7.46627E-06	0.00853425
1143.079979	406.745014	9.17967E-06	0.010493095
1143.119979	477.230276	1.07704E-05	0.012311885
1143.159979	526.195753	1.18755E-05	0.013575602
1143.199979	537.813945	1.21377E-05	0.013875832
1143.239979	544.662296	1.22923E-05	0.014053014
1143.279979	507.102782	1.14446E-05	0.013084386
1143.319979	460.469038	1.03921E-05	0.011881547
1143.359979	422.791833	9.54182E-06	0.010909738
1143.399979	358.811555	8.09788E-06	0.009259112
1143.439979	304.022511	6.86136E-06	0.007845559
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1143.559979	250.612026	5.65596E-06	0.006467934
1143.599979	247.809008	5.5927E-06	0.006395816

1143.639979	250.385949	5.65086E-06	0.006462552
1143.679979	264.021355	5.95859E-06	0.006814725
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1143.759979	254.105658	5.73481E-06	0.006559247
1143.799979	250.248925	5.64777E-06	0.006459919
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1143.879979	278.161945	6.27773E-06	0.007180967
1143.919979	286.140949	6.4578E-06	0.007387209
1143.959979	308.729798	6.9676E-06	0.007970657
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1144.039979	299.005192	6.74813E-06	0.007720131
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1144.279979	568.406312	1.28281E-05	0.014678982
1144.319979	557.712515	1.25868E-05	0.014403321
1144.359979	474.856818	1.07169E-05	0.012263942
1144.399979	398.607129	8.99601E-06	0.010295031
1144.439979	343.898589	7.76131E-06	0.008882356
1144.479979	283.664165	6.40191E-06	0.007326852
1144.519979	247.152343	5.57788E-06	0.006384
1144.559979	238.348166	5.37919E-06	0.006156801
1144.599979	266.482028	6.01413E-06	0.006883771
1144.639979	297.781326	6.72051E-06	0.007692564
1144.679979	336.75118	7.60001E-06	0.008699574
1144.719979	368.575866	8.31824E-06	0.00952206
1144.759979	391.307943	8.83128E-06	0.01010969
1144.799979	424.63797	9.58349E-06	0.010971176
1144.839979	417.675716	9.42636E-06	0.010791673
1144.879979	374.072001	8.44228E-06	0.009665402
1144.919979	327.702599	7.39579E-06	0.008467589
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1144.999979	324.084698	7.31414E-06	0.00837469
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1145.079979	371.587469	8.38621E-06	0.009602883
1145.119979	452.487733	1.0212E-05	0.011693986
1145.159979	538.103039	1.21442E-05	0.013907093
1145.199979	601.500135	1.3575E-05	0.015546113
1145.239979	618.512558	1.3959E-05	0.015986367
1145.279979	623.953807	1.40818E-05	0.016127567
1145.319979	612.714089	1.38281E-05	0.015837603
1145.359979	539.967336	1.21863E-05	0.013957713
1145.399979	420.188112	9.48306E-06	0.010861897
1145.439979	319.767017	7.2167E-06	0.008266292

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1145.519979	218.12468	4.92277E-06	0.005639132
1145.559979	227.119096	5.12576E-06	0.005871867
1145.599979	240.865329	5.43599E-06	0.006227476
1145.639979	255.081921	5.75684E-06	0.00659527
1145.679979	281.142012	6.34498E-06	0.007269321
1145.719979	317.376275	7.16274E-06	0.008206495
1145.759979	307.10581	6.93095E-06	0.007941206
1145.799979	293.584528	6.62579E-06	0.007591834
1145.839979	279.756975	6.31373E-06	0.007234519
1145.879979	283.813863	6.40528E-06	0.007339686
1145.919979	295.809253	6.676E-06	0.007650165
1145.959979	306.766827	6.9233E-06	0.007933825
1145.999979	313.109872	7.06645E-06	0.008098156
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1146.079979	317.041828	7.15519E-06	0.008200423
1146.119979	360.711145	8.14075E-06	0.009330274
1146.159979	414.045124	9.34442E-06	0.010710202
1146.199979	450.739234	1.01726E-05	0.011659784
1146.239979	453.625755	1.02377E-05	0.011734863
1146.279979	468.831564	1.05809E-05	0.012128646
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1146.359979	451.301738	1.01853E-05	0.011675965
1146.399979	384.745401	8.68317E-06	0.009954383
1146.439979	323.57125	7.30255E-06	0.008371938
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1146.519979	233.274845	5.26469E-06	0.00603607
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1146.639979	291.424196	6.57704E-06	0.007541495
1146.679979	321.547107	7.25687E-06	0.008321308
1146.719979	332.691494	7.50838E-06	0.008610014
1146.759979	300.568054	6.7834E-06	0.007778934
1146.799979	277.595149	6.26494E-06	0.007184628
1146.839979	284.539943	6.42167E-06	0.007364628
1146.879979	295.944057	6.67905E-06	0.007660063
1146.919979	302.843844	6.83476E-06	0.007838927
1146.959979	294.406076	6.64434E-06	0.007620786
1146.999979	277.62859	6.26569E-06	0.007186747
1147.039979	306.100267	6.90826E-06	0.007924047
1147.079979	363.831186	8.21116E-06	0.009418861
1147.119979	422.138106	9.52707E-06	0.010928691
1147.159979	457.966864	1.03357E-05	0.011856672
1147.199979	498.193231	1.12435E-05	0.012898574
1147.239979	510.523384	1.15218E-05	0.013218272
1147.279979	498.511103	1.12507E-05	0.012907704

1147.319979	474.012731	1.06978E-05	0.012273808
1147.359979	420.727138	9.49523E-06	0.010894442
1147.399979	361.183423	8.15141E-06	0.009352924
1147.439979	315.36506	7.11735E-06	0.008166732
1147.479979	288.830215	6.5185E-06	0.007479843
1147.519979	273.273634	6.16741E-06	0.007077221
1147.559979	255.54011	5.76718E-06	0.00661819
1147.599979	252.391938	5.69613E-06	0.006536884
1147.639979	262.97693	5.93502E-06	0.00681127
1147.679979	253.308192	5.71681E-06	0.006561072
1147.719979	237.264089	5.35472E-06	0.006145719
1147.759979	253.000963	5.70988E-06	0.006553571
1147.799979	254.901291	5.75277E-06	0.006603026
1147.839979	253.237029	5.71521E-06	0.006560143
1147.879979	239.984095	5.41611E-06	0.006217041
1147.919979	242.395177	5.47052E-06	0.006279721
1147.959979	259.040699	5.84619E-06	0.00671119
1147.999979	263.80253	5.95366E-06	0.006834797
1148.039979	294.45671	6.64548E-06	0.007629274
1148.079979	329.550577	7.4375E-06	0.008538842
1148.119979	376.39228	8.49465E-06	0.009752877
1148.159979	427.523438	9.64861E-06	0.011078146
1148.199979	451.063137	1.01799E-05	0.011688523
1148.239979	473.39089	1.06838E-05	0.012267535
1148.279979	460.422563	1.03911E-05	0.011931887
1148.319979	383.395201	8.6527E-06	0.009936063
1148.359979	311.908173	7.03933E-06	0.008083688
1148.399979	274.041487	6.18473E-06	0.007102549
1148.439979	231.341182	5.22105E-06	0.005996061
1148.479979	212.165071	4.78827E-06	0.005499232
1148.519979	209.39369	4.72572E-06	0.005427588
1148.559979	214.502886	4.84103E-06	0.005560215
1148.599979	227.524995	5.13492E-06	0.005897972
1148.639979	256.150846	5.78097E-06	0.006640251
1148.679979	269.4741	6.08166E-06	0.006985875
1148.719979	272.032918	6.1394E-06	0.007052456
1148.759979	277.228616	6.25666E-06	0.007187405
1148.799979	273.465854	6.17174E-06	0.007090099
1148.839979	281.429627	6.35147E-06	0.007296828
1148.879979	279.397607	6.30561E-06	0.007244395
1148.919979	277.910515	6.27205E-06	0.007206087
1148.959979	287.592553	6.49056E-06	0.007457398
1148.999979	306.743644	6.92278E-06	0.00795427
1149.039979	317.996109	7.17673E-06	0.008246349
1149.079979	342.977095	7.74052E-06	0.008894471
1149.119979	401.528154	9.06193E-06	0.010413246

1149.159979	452.698118	1.02168E-05	0.011740699
1149.199979	473.958753	1.06966E-05	0.01229252
1149.239979	484.008069	1.09234E-05	0.012553594
1149.279979	468.571402	1.0575E-05	0.01215364
1149.319979	420.849038	9.49798E-06	0.010916214
1149.359979	360.541622	8.13692E-06	0.009352253
1149.399979	316.092067	7.13376E-06	0.008199541
1149.439979	272.487137	6.14966E-06	0.007068659
1149.479979	235.001744	5.30366E-06	0.006096453
1149.519979	204.531431	4.61599E-06	0.005306172
1149.559979	201.574203	4.54925E-06	0.005229635
1149.599979	219.661692	4.95746E-06	0.005699094
1149.639979	232.813387	5.25427E-06	0.006040523
1149.679979	252.175324	5.69125E-06	0.006543111
1149.719979	270.252981	6.09923E-06	0.00701241
1149.759979	264.389642	5.96691E-06	0.00686051
1149.799979	262.983158	5.93516E-06	0.006824251
1149.839979	243.266147	5.49018E-06	0.006312826
1149.879979	231.643718	5.22788E-06	0.00601143
1149.919979	219.752723	4.95951E-06	0.005703043
1149.959979	221.170564	4.99151E-06	0.005740039
1149.999979	245.88116	5.5492E-06	0.006381574
1150.039979	274.695863	6.1995E-06	0.007129676
1150.079979	328.60456	7.41615E-06	0.008529162
1150.119979	378.571705	8.54384E-06	0.009826437
1150.159979	424.336087	9.57667E-06	0.011014708
1150.199979	463.771862	1.04667E-05	0.012038781
1150.239979	438.154921	9.88855E-06	0.011374201
1150.279979	392.119465	8.84959E-06	0.010179506
1150.319979	380.278169	8.58235E-06	0.009872447
1150.359979	339.574718	7.66373E-06	0.008816046
1150.399979	278.819434	6.29257E-06	0.007238968
1150.439979	264.190378	5.96241E-06	0.006859394
1150.479979	256.854904	5.79686E-06	0.006669168
1150.519979	244.899944	5.52705E-06	0.006358982
1150.559979	239.639764	5.40834E-06	0.006222615
1150.599979	254.833419	5.75124E-06	0.006617371
1150.639979	286.500088	6.46591E-06	0.007439932
1150.679979	322.154265	7.27057E-06	0.008366103
1150.719979	358.547417	8.09192E-06	0.009311529
1150.759979	352.858442	7.96352E-06	0.009164104
1150.799979	310.81171	7.01459E-06	0.008072387
1150.839979	291.580867	6.58057E-06	0.007573188
1150.879979	287.576122	6.49019E-06	0.007469433
1150.919979	290.842174	6.5639E-06	0.007554527
1150.959979	295.410603	6.66701E-06	0.007673457

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1151.079979	369.33559	8.33539E-06	0.0095947
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1151.159979	392.293201	8.85351E-06	0.010191808
1151.199979	458.016443	1.03368E-05	0.011899716
1151.239979	485.07877	1.09476E-05	0.01260326
1151.279979	481.292365	1.08621E-05	0.012505316
1151.319979	451.626332	1.01926E-05	0.011734918
1151.359979	406.259213	9.1687E-06	0.010556479
1151.399979	351.25714	7.92738E-06	0.00912759
1151.439979	282.544934	6.37665E-06	0.007342325
1151.479979	228.265306	5.15163E-06	0.005931999
1151.519979	235.529286	5.31557E-06	0.006120983
1151.559979	252.06844	5.68883E-06	0.006551033
1151.599979	234.620102	5.29505E-06	0.006097778
1151.639979	225.097592	5.08014E-06	0.005850491
1151.679979	232.823827	5.25451E-06	0.006051513
1151.719979	250.798461	5.66017E-06	0.006518933
1151.759979	281.208282	6.34648E-06	0.007309621
1151.799979	275.838952	6.2253E-06	0.007170301
1151.839979	248.291795	5.6036E-06	0.00645445
1151.879979	253.894101	5.73004E-06	0.006600314
1151.919979	268.439212	6.0583E-06	0.006978676
1151.959979	261.514777	5.90202E-06	0.006798896
1151.999979	272.945471	6.16E-06	0.007096319
1152.039979	298.825679	6.74408E-06	0.007769449
1152.079979	315.237115	7.11446E-06	0.00819643
1152.119979	353.573775	7.97967E-06	0.009193534
1152.159979	397.307807	8.96668E-06	0.010331054
1152.199979	413.643107	9.33535E-06	0.010756189
1152.239979	404.43861	9.12762E-06	0.010517204
1152.279979	410.615885	9.26703E-06	0.010678212
1152.319979	423.230624	9.55173E-06	0.011006644
1152.359979	402.788592	9.09038E-06	0.010475387
1152.399979	367.873047	8.30238E-06	0.009567665
1152.439979	344.39384	7.77249E-06	0.008957327
1152.479979	322.680221	7.28244E-06	0.00839287
1152.519979	315.602575	7.12271E-06	0.008209066
1152.559979	310.927274	7.0172E-06	0.008087739
1152.599979	313.407358	7.07317E-06	0.008152533
1152.639979	335.781225	7.57811E-06	0.008734838
1152.679979	345.127196	7.78904E-06	0.008978271
1152.719979	383.394955	8.65269E-06	0.009974129
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1152.999979	867.122085	1.95697E-05	0.022563907
1153.039979	1007.112046	2.27291E-05	0.02620758
1153.079979	1196.463213	2.70025E-05	0.031136052
1153.119979	1399.597827	3.1587E-05	0.03642357
1153.159979	1680.604953	3.79289E-05	0.043738104
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1153.239979	2425.494203	5.474E-05	0.063128386
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1153.319979	2584.090789	5.83193E-05	0.067260848
1153.359979	2235.347158	5.04487E-05	0.058185479
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1153.679979	285.477368	6.44283E-06	0.00743296
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1153.879979	369.40826	8.33703E-06	0.009619932
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1154.079979	664.361467	1.49937E-05	0.017303944
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1154.199979	1122.538438	2.53341E-05	0.029240651
1154.239979	1281.582652	2.89235E-05	0.033384701
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1154.359979	1213.102515	2.7378E-05	0.031604107
1154.399979	970.643282	2.19061E-05	0.025288363
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1154.479979	511.110852	1.15351E-05	0.013316996
1154.519979	343.209659	7.74576E-06	0.008942639
1154.559979	250.958696	5.66379E-06	0.006539183
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1154.639979	238.001947	5.37137E-06	0.006202001

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1155.119979	543.752693	1.22717E-05	0.014175333
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1155.199979	800.60911	1.80686E-05	0.020872884
1155.239979	846.682078	1.91084E-05	0.022074828
1155.279979	839.090918	1.89371E-05	0.021877668
1155.319979	787.066695	1.7763E-05	0.020521948
1155.359979	697.93484	1.57514E-05	0.018198557
1155.399979	560.096878	1.26406E-05	0.014604956
1155.439979	430.874529	9.72424E-06	0.011235773
1155.479979	335.433114	7.57026E-06	0.008747282
1155.519979	267.408534	6.03504E-06	0.006973607
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1155.799979	301.229187	6.79832E-06	0.007857502
1155.839979	297.227666	6.70801E-06	0.007753391
1155.879979	268.870858	6.06804E-06	0.007013927
1155.919979	257.208569	5.80484E-06	0.00670993
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1156.199979	476.403605	1.07518E-05	0.012431191
1156.239979	498.622106	1.12532E-05	0.013011407
1156.279979	518.38779	1.16993E-05	0.013527655
1156.319979	483.627594	1.09148E-05	0.012621003
1156.359979	434.446447	9.80485E-06	0.011337937
1156.399979	381.416654	8.60804E-06	0.00995434
1156.439979	319.5739	7.21234E-06	0.008340636
1156.479979	255.933187	5.77606E-06	0.006679893

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1156.639979	285.06537	6.43353E-06	0.007441276
1156.679979	283.307701	6.39386E-06	0.00739565
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1156.799979	286.148412	6.45797E-06	0.007470581
1156.839979	250.481795	5.65303E-06	0.006539646
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1156.919979	280.952825	6.34071E-06	0.007335699
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1157.039979	350.267778	7.90506E-06	0.009146466
1157.079979	382.621986	8.63525E-06	0.009991669
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1157.279979	542.882601	1.22521E-05	0.014179115
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1157.359979	427.078897	9.63858E-06	0.011155302
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1157.599979	219.044452	4.94353E-06	0.005722628
1157.639979	210.262246	4.74533E-06	0.005493379
1157.679979	246.349068	5.55976E-06	0.006436417
1157.719979	277.279625	6.25781E-06	0.007244797
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1157.799979	285.856772	6.45139E-06	0.007469418
1157.839979	268.646376	6.06297E-06	0.007019954
1157.879979	235.995722	5.32609E-06	0.006166978
1157.919979	221.569602	5.00052E-06	0.005790199
1157.959979	248.85588	5.61633E-06	0.006503486
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1158.679979	279.199733	6.30115E-06	0.007301015
1158.719979	299.036545	6.74884E-06	0.007820014
1158.759979	274.151553	6.18722E-06	0.007169501
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1158.879979	293.281331	6.61895E-06	0.00767057
1158.919979	303.81334	6.85664E-06	0.007946302
1158.959979	316.849298	7.15085E-06	0.008287546
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1159.039979	348.192999	7.85823E-06	0.009108004
1159.079979	369.152664	8.33126E-06	0.009656598
1159.119979	395.865399	8.93413E-06	0.010355729
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1159.239979	553.767064	1.24978E-05	0.014487893
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1159.319979	484.176516	1.09272E-05	0.012668109
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1159.439979	325.318928	7.342E-06	0.008512603
1159.479979	268.029779	6.04906E-06	0.007013763
1159.519979	214.519313	4.8414E-06	0.005613702
1159.559979	194.023964	4.37885E-06	0.00507754
1159.599979	211.340552	4.76966E-06	0.0055309
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1159.679979	249.990966	5.64195E-06	0.006542854
1159.719979	235.112986	5.30617E-06	0.006153674
1159.759979	216.426512	4.88444E-06	0.005664784
1159.799979	222.390487	5.01904E-06	0.005821087
1159.839979	217.359992	4.90551E-06	0.005689609
1159.879979	222.153543	5.0137E-06	0.005815286
1159.919979	219.21643	4.94741E-06	0.005738599
1159.959979	215.188792	4.85651E-06	0.005633359
1159.999979	211.575488	4.77496E-06	0.005538958
1160.039979	246.824433	5.57048E-06	0.006461984
1160.079979	288.372073	6.50816E-06	0.007549981
1160.119979	333.62438	7.52944E-06	0.008735051
1160.159979	380.090305	8.57811E-06	0.009951978

1160.199979	426.939612	9.63543E-06	0.011179028
1160.239979	473.830737	1.06937E-05	0.012407258
1160.279979	486.16314	1.0972E-05	0.012730621
1160.319979	453.205031	1.02282E-05	0.011867992
1160.359979	405.294409	9.14693E-06	0.010613732
1160.399979	313.785248	7.0817E-06	0.0082176
1160.439979	261.657104	5.90524E-06	0.006852672
1160.479979	261.915658	5.91107E-06	0.00685968
1160.519979	238.058038	5.37264E-06	0.006235054
1160.559979	231.629921	5.22756E-06	0.006066902
1160.599979	244.842932	5.52576E-06	0.006413202
1160.639979	249.594266	5.63299E-06	0.006537879
1160.679979	246.861856	5.57133E-06	0.006466529
1160.719979	251.213132	5.66953E-06	0.006580737
1160.759979	266.122675	6.00602E-06	0.006971545
1160.799979	294.950513	6.65662E-06	0.007727007
1160.839979	301.562626	6.80585E-06	0.007900501
1160.879979	289.796718	6.54031E-06	0.007592513
1160.919979	261.354161	5.8984E-06	0.00684757
1160.959979	255.424864	5.76458E-06	0.006692451
1160.999979	279.760751	6.31381E-06	0.007330334
1161.039979	343.051344	7.74219E-06	0.008988993
1161.079979	387.37673	8.74255E-06	0.010150804
1161.119979	427.769837	9.65417E-06	0.011209649
1161.159979	482.52236	1.08899E-05	0.012644867
1161.199979	516.607087	1.16591E-05	0.013538549
1161.239979	514.529796	1.16122E-05	0.013484575
1161.279979	498.522389	1.1251E-05	0.01306551
1161.319979	452.66352	1.0216E-05	0.011864028
1161.359979	400.679949	9.04279E-06	0.010501932
1161.399979	337.470914	7.61625E-06	0.008845511
1161.439979	291.715411	6.58361E-06	0.007646468
1161.479979	273.006303	6.16137E-06	0.00715631
1161.519979	258.465768	5.83321E-06	0.006775393
1161.559979	243.346432	5.49199E-06	0.006379276
1161.599979	244.105188	5.50911E-06	0.006399387
1161.639979	257.748656	5.81703E-06	0.006757292
1161.679979	257.125802	5.80297E-06	0.006741195
1161.719979	262.332965	5.92049E-06	0.006877951
1161.759979	261.379681	5.89898E-06	0.006853193
1161.799979	233.500004	5.26977E-06	0.006122419
1161.839979	205.798556	4.64459E-06	0.005396267
1161.879979	188.508611	4.25438E-06	0.004943075
1161.919978	206.295236	4.6558E-06	0.005409663
1161.959978	244.182693	5.51086E-06	0.006403403
1161.999978	261.989576	5.91274E-06	0.006870604

1162.039978	265.70827	5.99667E-06	0.006968365
1162.079978	288.242017	6.50522E-06	0.007559587
1162.119978	336.92778	7.60399E-06	0.008836749
1162.159978	403.992558	9.11755E-06	0.010596051
1162.199978	462.3645	1.04349E-05	0.012127467
1162.239978	455.20539	1.02734E-05	0.0119401
1162.279978	415.184561	9.37014E-06	0.010890723
1162.319978	395.726241	8.93099E-06	0.010380668
1162.359978	357.421799	8.06651E-06	0.009376191
1162.399978	299.409552	6.75726E-06	0.007854635
1162.439978	267.228563	6.03098E-06	0.007010648
1162.479978	268.05488	6.04963E-06	0.007032568
1162.519978	267.144201	6.02907E-06	0.007008917
1162.559978	259.523121	5.85708E-06	0.006809201
1162.599978	233.779373	5.27607E-06	0.006133964
1162.639978	229.845455	5.18729E-06	0.006030953
1162.679978	235.66758	5.31869E-06	0.006183933
1162.719978	247.224547	5.57951E-06	0.006487412
1162.759978	274.396281	6.19274E-06	0.007200672
1162.799978	279.529278	6.30859E-06	0.007335624
1162.839978	251.814818	5.68311E-06	0.006608547
1162.879978	239.594264	5.40731E-06	0.006288051
1162.919978	257.719619	5.81637E-06	0.006763976
1162.959978	281.261234	6.34767E-06	0.007382091
1162.999978	281.606809	6.35547E-06	0.007391415
1163.039978	272.134439	6.1417E-06	0.007143037
1163.079978	295.515492	6.66937E-06	0.007757014
1163.119978	356.167812	8.03821E-06	0.009349404
1163.159978	436.135039	9.84296E-06	0.011448938
1163.199978	533.912025	1.20497E-05	0.014016153
1163.239978	544.458859	1.22877E-05	0.014293518
1163.279978	491.858927	1.11006E-05	0.012913072
1163.319978	441.207641	9.95744E-06	0.011583691
1163.359978	409.85296	9.24981E-06	0.010760859
1163.399978	384.127803	8.66923E-06	0.010085781
1163.439978	344.264606	7.76957E-06	0.009039431
1163.479978	303.32025	6.84552E-06	0.00796462
1163.519978	247.034413	5.57522E-06	0.006486883
1163.559978	220.88286	4.98502E-06	0.005800368
1163.599978	224.78327	5.07305E-06	0.005902995
1163.639978	245.055984	5.53057E-06	0.006435595
1163.679978	269.009074	6.07116E-06	0.007064887
1163.719978	301.959648	6.81481E-06	0.007930529
1163.759978	336.115606	7.58566E-06	0.008827889
1163.799978	336.739837	7.59975E-06	0.008844588
1163.839978	317.815906	7.17266E-06	0.008347831

1163.879978	273.532798	6.17325E-06	0.007184927
1163.919978	252.108628	5.68974E-06	0.006622403
1163.959978	257.001384	5.80016E-06	0.006751158
1163.999978	271.3374	6.12371E-06	0.007127995
1164.039978	286.507289	6.46607E-06	0.007526764
1164.079978	300.269735	6.77667E-06	0.007888585
1164.119978	318.95903	7.19846E-06	0.008379872
1164.159978	349.113977	7.87902E-06	0.009172435
1164.199978	393.329839	8.87691E-06	0.010334494
1164.239978	432.775211	9.76713E-06	0.011371288
1164.279978	443.395201	1.00068E-05	0.011650731
1164.319978	444.190108	1.00248E-05	0.011672019
1164.359978	419.682245	9.47164E-06	0.011028403
1164.399978	346.21325	7.81355E-06	0.009098098
1164.439978	280.708278	6.33519E-06	0.007376954
1164.479978	256.568519	5.79039E-06	0.006742798
1164.519978	259.20509	5.8499E-06	0.006812323
1164.559978	258.700111	5.8385E-06	0.006799285
1164.599978	261.696004	5.90611E-06	0.006878261
1164.639978	282.598019	6.37784E-06	0.007427892
1164.679978	295.516735	6.6694E-06	0.007767718
1164.719978	297.0848	6.70479E-06	0.007809203
1164.759978	283.310005	6.39391E-06	0.007447373
1164.799978	290.0128	6.54518E-06	0.007623831
1164.839978	294.293163	6.64179E-06	0.007736619
1164.879978	277.51911	6.26322E-06	0.007295899
1164.919978	265.67562	5.99593E-06	0.006984777
1164.959978	266.854986	6.02255E-06	0.007016024
1164.999978	288.140143	6.50292E-06	0.007575904
1165.039978	333.144674	7.51861E-06	0.008759483
1165.079978	360.267679	8.13074E-06	0.009472962
1165.119978	390.126096	8.8046E-06	0.010258418
1165.159978	421.718363	9.5176E-06	0.011089522
1165.199978	467.944051	1.05608E-05	0.012305497
1165.239978	486.46256	1.09788E-05	0.012792916
1165.279978	465.368374	1.05027E-05	0.012238605
1165.319978	454.865732	1.02657E-05	0.011962809
1165.359978	453.869177	1.02432E-05	0.01193701
1165.399978	404.645376	9.13228E-06	0.010642762
1165.439978	320.221149	7.22695E-06	0.008422571
1165.479978	245.679635	5.54465E-06	0.006462175
1165.519978	209.575804	4.72983E-06	0.005512716
1165.559978	194.394023	4.3872E-06	0.005113547
1165.599978	207.805499	4.68988E-06	0.005466525
1165.639978	221.720024	5.00391E-06	0.00583276
1165.679978	243.394414	5.49307E-06	0.006403165

1165.719978	274.943243	6.20509E-06	0.007233393
1165.759978	296.795842	6.69827E-06	0.007808574
1165.799978	289.26692	6.52835E-06	0.007610752
1165.839978	265.051671	5.98185E-06	0.006973876
1165.879978	235.887909	5.32366E-06	0.00620675
1165.919978	217.945174	4.91872E-06	0.005734833
1165.959978	243.926347	5.50508E-06	0.0064187
1165.999978	244.97164	5.52867E-06	0.006446428
1166.039978	258.102575	5.82502E-06	0.006792201
1166.079978	290.538422	6.55705E-06	0.007646042
1166.119978	312.728261	7.05784E-06	0.00823029
1166.159978	314.69433	7.10221E-06	0.008282316
1166.199978	331.221376	7.47521E-06	0.008717584
1166.239978	361.323323	8.15456E-06	0.009510179
1166.279978	368.934803	8.32634E-06	0.009710849
1166.319978	374.273373	8.44683E-06	0.009851705
1166.359978	383.165831	8.64752E-06	0.01008612
1166.399978	356.250675	8.04008E-06	0.009377951
1166.439978	303.042647	6.83925E-06	0.007977575
1166.479978	243.916689	5.50486E-06	0.006421309
1166.519978	218.860878	4.93939E-06	0.005761891
1166.559978	223.615524	5.04669E-06	0.005887268
1166.599978	227.426633	5.1327E-06	0.00598781
1166.639978	226.591479	5.11385E-06	0.005966027
1166.679978	250.787947	5.65993E-06	0.006603332
1166.719978	264.829403	5.97683E-06	0.006973288
1166.759978	254.535149	5.7445E-06	0.006702457
1166.799978	258.515201	5.83433E-06	0.006807494
1166.839978	250.777431	5.6597E-06	0.006603961
1166.879978	255.596473	5.76846E-06	0.006731096
1166.919978	259.921905	5.86608E-06	0.006845241
1166.959978	265.214119	5.98551E-06	0.006984854
1166.999978	272.94625	6.16002E-06	0.007188739
1167.039978	303.247085	6.84386E-06	0.007987063
1167.079978	347.278053	7.83758E-06	0.009147085
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1167.159978	401.192044	9.05435E-06	0.01056787
1167.199978	428.600878	9.67292E-06	0.011290238
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1167.279978	467.760992	1.05567E-05	0.012322641
1167.319978	444.110939	1.0023E-05	0.011700008
1167.359978	379.936303	8.57463E-06	0.010009684
1167.399978	293.362669	6.62079E-06	0.007729106
1167.439978	245.32379	5.53662E-06	0.006463667
1167.479978	204.272318	4.61014E-06	0.005382248
1167.519978	195.873067	4.42058E-06	0.005161118

1167.559978	222.93246	5.03128E-06	0.005874315
1167.599978	219.050868	4.94367E-06	0.005772232
1167.639978	214.131745	4.83266E-06	0.005642801
1167.679978	225.687001	5.09344E-06	0.005947509
1167.719978	253.824975	5.72848E-06	0.006689256
1167.759978	261.626359	5.90454E-06	0.006895088
1167.799978	250.442376	5.65214E-06	0.006600564
1167.839978	261.479779	5.90123E-06	0.006891697
1167.879978	261.252163	5.8961E-06	0.006885934
1167.919978	256.521191	5.78933E-06	0.006761469
1167.959978	254.226533	5.73754E-06	0.006701216
1167.999978	255.909484	5.77552E-06	0.006745808
1168.039978	269.777833	6.08851E-06	0.007111623
1168.079978	319.530289	7.21135E-06	0.008423438
1168.119978	361.281516	8.15362E-06	0.009524407
1168.159978	373.487903	8.4291E-06	0.009846539
1168.199978	381.042362	8.5996E-06	0.010046047
1168.239978	402.897048	9.09283E-06	0.010622602
1168.279978	453.949849	1.0245E-05	0.011969047
1168.319978	450.634179	1.01702E-05	0.011882031
1168.359978	391.388168	8.83309E-06	0.010320224
1168.399978	331.456275	7.48051E-06	0.008740224
1168.439978	286.995838	6.4771E-06	0.007568098
1168.479978	260.357904	5.87592E-06	0.006865889
1168.519978	236.1291	5.3291E-06	0.006227166
1168.559978	239.903648	5.41429E-06	0.006326924
1168.599978	273.706087	6.17717E-06	0.007218635
1168.639978	265.456958	5.99099E-06	0.007001315
1168.679978	269.132957	6.07396E-06	0.007098511
1168.719978	308.384817	6.95982E-06	0.008134076
1168.759978	315.49983	7.12039E-06	0.008322029
1168.799978	294.085375	6.6371E-06	0.007757439
1168.839978	300.880076	6.79044E-06	0.007936943
1168.879978	328.749654	7.41942E-06	0.008672414
1168.919978	339.923336	7.6716E-06	0.008967482
1168.959978	350.360768	7.90715E-06	0.009243147
1168.999978	354.813246	8.00764E-06	0.009360932
1169.039978	370.578045	8.36343E-06	0.009777184
1169.079978	417.374712	9.41957E-06	0.011012226
1169.119978	505.209498	1.14019E-05	0.013330159
1169.159978	563.519479	1.27178E-05	0.014869201
1169.199978	558.192675	1.25976E-05	0.01472915
1169.239978	544.49628	1.22885E-05	0.014368232
1169.279978	522.202491	1.17854E-05	0.013780412
1169.319978	492.772077	1.11212E-05	0.013004217
1169.359978	451.82009	1.0197E-05	0.011923905

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1169.519978	256.179298	5.78161E-06	0.006761708
1169.559978	226.509846	5.11201E-06	0.005978804
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1169.639978	253.671832	5.72502E-06	0.006696212
1169.679978	283.507582	6.39837E-06	0.007484047
1169.719978	274.094272	6.18593E-06	0.007235801
1169.759978	253.15248	5.7133E-06	0.006683188
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1169.879978	295.592973	6.67112E-06	0.007804412
1169.919978	276.613675	6.24279E-06	0.007303559
1169.959978	298.462025	6.73587E-06	0.007880701
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1170.039978	341.801881	7.71399E-06	0.009025679
1170.079978	344.12837	7.7665E-06	0.009087424
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1170.239978	516.886294	1.16654E-05	0.013651322
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1170.359978	537.374422	1.21278E-05	0.014193883
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1170.439978	419.799903	9.4743E-06	0.011089098
1170.479978	345.571672	7.79907E-06	0.009128657
1170.519978	281.494665	6.35294E-06	0.007436246
1170.559978	269.991728	6.09334E-06	0.007132617
1170.599978	277.669459	6.26661E-06	0.007335697
1170.639978	277.656729	6.26633E-06	0.007335611
1170.679978	268.416776	6.05779E-06	0.007091737
1170.719978	273.368818	6.16955E-06	0.007222819
1170.759978	280.116053	6.32183E-06	0.007401345
1170.799978	266.401154	6.0123E-06	0.007039204
1170.839978	272.617213	6.15259E-06	0.007203699
1170.879978	293.984903	6.63483E-06	0.007768589
1170.919978	300.840859	6.78956E-06	0.00795003
1170.959978	313.231664	7.0692E-06	0.008277753
1170.999978	319.530674	7.21136E-06	0.008444505
1171.039978	314.48769	7.09755E-06	0.008311514
1171.079978	358.696846	8.09529E-06	0.00948023
1171.119978	427.771711	9.65421E-06	0.01130624
1171.159978	455.488783	1.02797E-05	0.012039229
1171.199978	484.107696	1.09256E-05	0.012796105

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1171.279978	558.056138	1.25945E-05	0.014751744
1171.319978	521.920123	1.1779E-05	0.01379699
1171.359978	448.830593	1.01295E-05	0.011865269
1171.399978	360.489063	8.13574E-06	0.009530201
1171.439978	300.568337	6.78341E-06	0.007946356
1171.479978	277.012163	6.25178E-06	0.007323834
1171.519978	253.146506	5.71316E-06	0.006693086
1171.559978	212.619845	4.79853E-06	0.00562177
1171.599978	198.984416	4.4908E-06	0.005261422
1171.639978	214.133644	4.8327E-06	0.005662182
1171.679978	213.411925	4.81641E-06	0.005643291
1171.719978	234.481231	5.29191E-06	0.006200642
1171.759978	249.594603	5.633E-06	0.006600527
1171.799978	248.40825	5.60623E-06	0.006569378
1171.839978	254.939077	5.75362E-06	0.006742322
1171.879978	263.817516	5.95399E-06	0.006977366
1171.919978	246.61962	5.56586E-06	0.006522744
1171.959978	226.558548	5.11311E-06	0.005992361
1171.999978	217.527044	4.90928E-06	0.005753679
1172.039978	252.161984	5.69094E-06	0.006670015
1172.079978	302.479599	6.82654E-06	0.008001255
1172.119978	340.164905	7.67705E-06	0.008998421
1172.159978	384.819215	8.68483E-06	0.010180014
1172.199978	410.996664	9.27562E-06	0.010872884
1172.239978	427.353538	9.64477E-06	0.01130599
1172.279978	434.675814	9.81003E-06	0.011500099
1172.319978	468.394049	1.0571E-05	0.012392596
1172.359978	439.361884	9.91579E-06	0.01162487
1172.399978	367.276644	8.28892E-06	0.009717932
1172.439978	299.408788	6.75724E-06	0.007922458
1172.479978	266.866785	6.02281E-06	0.007061626
1172.519978	259.658066	5.86012E-06	0.006871109
1172.559978	251.160832	5.66835E-06	0.006646481
1172.599978	252.867434	5.70687E-06	0.006691871
1172.639978	271.654197	6.13086E-06	0.007189288
1172.679978	292.50547	6.60144E-06	0.007741378
1172.719978	294.651331	6.64987E-06	0.007798436
1172.759978	281.48115	6.35264E-06	0.007450119
1172.799978	272.899719	6.15897E-06	0.007223236
1172.839978	280.481042	6.33007E-06	0.007424155
1172.879978	271.486739	6.12708E-06	0.007186327
1172.919978	276.389954	6.23774E-06	0.007316366
1172.959978	286.000611	6.45464E-06	0.007571029
1172.999978	304.069267	6.86242E-06	0.008049618
1173.039978	333.456351	7.52565E-06	0.008827883

1173.079978	345.543824	7.79844E-06	0.009148197
1173.119978	360.849651	8.14387E-06	0.009553741
1173.159978	390.592409	8.81513E-06	0.010341554
1173.199978	430.832398	9.72329E-06	0.01140736
1173.239978	471.391285	1.06386E-05	0.012481683
1173.279978	502.727314	1.13459E-05	0.013311865
1173.319978	493.810101	1.11446E-05	0.013076189
1173.359978	443.520091	1.00096E-05	0.0117449
1173.399978	384.00415	8.66644E-06	0.010169199
1173.439978	344.684724	7.77905E-06	0.009128253
1173.479978	299.544994	6.76031E-06	0.007933092
1173.519978	227.669427	5.13818E-06	0.006029759
1173.559978	193.897449	4.376E-06	0.005135493
1173.599978	208.837488	4.71317E-06	0.005531378
1173.639978	238.835007	5.39017E-06	0.006326123
1173.679978	245.521059	5.54107E-06	0.006503441
1173.719978	246.321849	5.55914E-06	0.006524875
1173.759978	230.889631	5.21086E-06	0.006116296
1173.799978	224.142672	5.05859E-06	0.00593777
1173.839978	221.689193	5.00322E-06	0.005872975
1173.879978	212.411102	4.79382E-06	0.005627372
1173.919978	205.237292	4.63192E-06	0.005437503
1173.959978	215.1239	4.85505E-06	0.005699631
1173.999978	233.581109	5.2716E-06	0.006188859
1174.039978	251.68272	5.68013E-06	0.006668698
1174.079978	280.852754	6.33846E-06	0.007441854
1174.119978	325.058365	7.33611E-06	0.008613479
1174.159978	351.415311	7.93095E-06	0.009312209
1174.199978	406.456865	9.17317E-06	0.01077113
1174.239978	423.25109	9.55219E-06	0.011216561
1174.279978	401.01852	9.05043E-06	0.010627738
1174.319978	398.121039	8.98504E-06	0.010551309
1174.359978	376.916181	8.50647E-06	0.009989662
1174.399978	319.579711	7.21247E-06	0.008470323
1174.439978	290.082757	6.54676E-06	0.007688781
1174.479978	271.557124	6.12867E-06	0.007197996
1174.519978	231.838412	5.23227E-06	0.006145406
1174.559978	207.932737	4.69275E-06	0.005511919
1174.599978	214.746018	4.84652E-06	0.005692721
1174.639978	219.92791	4.96347E-06	0.005830286
1174.679978	227.828876	5.14178E-06	0.006039946
1174.719978	247.985317	5.59668E-06	0.006574536
1174.759978	272.052039	6.13984E-06	0.007212833
1174.799978	280.548778	6.3316E-06	0.007438358
1174.839978	261.560662	5.90306E-06	0.006935151
1174.879978	257.539483	5.81231E-06	0.006828764

1174.919978	260.066156	5.86933E-06	0.006895994
1174.959978	248.41666	5.60642E-06	0.006587317
1174.999978	241.486876	5.45002E-06	0.006403776
1175.039978	281.114681	6.34437E-06	0.007454885
1175.079978	360.619241	8.13867E-06	0.009563593
1175.119978	424.45511	9.57936E-06	0.011256898
1175.159978	469.392587	1.05935E-05	0.012449101
1175.199978	511.246748	1.15381E-05	0.013559607
1175.239978	548.937377	1.23888E-05	0.014559757
1175.279978	598.092014	1.34981E-05	0.015864051
1175.319978	587.941725	1.3269E-05	0.015595351
1175.359978	538.081323	1.21437E-05	0.014273273
1175.399978	472.781774	1.067E-05	0.012541548
1175.439978	385.671093	8.70406E-06	0.010231099
1175.479978	300.829288	6.7893E-06	0.007980684
1175.519978	235.216295	5.3085E-06	0.006240253
1175.559978	225.30053	5.08472E-06	0.005977392
1175.599978	264.413023	5.96743E-06	0.007015315
1175.639978	277.335254	6.25907E-06	0.007358413
1175.679978	268.293034	6.055E-06	0.007118742
1175.719978	249.475075	5.6303E-06	0.006619662
1175.759978	250.139786	5.64531E-06	0.006637526
1175.799978	227.583231	5.13624E-06	0.006039187
1175.839978	195.70684	4.41683E-06	0.005193486
1175.879978	188.692795	4.25853E-06	0.005007524
1175.919978	206.25308	4.65484E-06	0.005473725
1175.959978	248.987956	5.61931E-06	0.006608085
1175.999978	273.532464	6.17325E-06	0.007259738
1176.039978	295.356088	6.66578E-06	0.007839218
1176.079978	323.047225	7.29073E-06	0.008574477
1176.119978	356.724304	8.05077E-06	0.009468672
1176.159978	391.146375	8.82763E-06	0.010382704
1176.199978	411.621599	9.28973E-06	0.010926576
1176.239978	435.590053	9.83066E-06	0.011563216
1176.279978	437.854356	9.88176E-06	0.01162372
1176.319978	427.291158	9.64337E-06	0.011343684
1176.359978	410.453235	9.26336E-06	0.010897043
1176.399978	373.775766	8.4356E-06	0.009923638
1176.439978	331.344327	7.47798E-06	0.008797395
1176.479978	291.573584	6.58041E-06	0.00774172
1176.519978	277.102437	6.25382E-06	0.007357739
1176.559978	276.264635	6.23491E-06	0.007335743
1176.599978	270.764882	6.11079E-06	0.007189951
1176.639978	255.522376	5.76678E-06	0.006785429
1176.679978	230.878813	5.21061E-06	0.006131224
1176.719978	247.476786	5.58521E-06	0.006572224

1176.759978	271.58546	6.12931E-06	0.007212721
1176.799978	247.737419	5.59109E-06	0.006579593
1176.839978	248.72621	5.6134E-06	0.006606078
1176.879978	284.612545	6.42331E-06	0.007559463
1176.919978	292.686664	6.60553E-06	0.007774181
1176.959978	270.664526	6.10852E-06	0.007189485
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1177.119978	427.491143	9.64788E-06	0.011356712
1177.159978	482.269989	1.08842E-05	0.0128124
1177.199978	535.993261	1.20966E-05	0.014240142
1177.239978	579.478704	1.3078E-05	0.015395976
1177.279978	582.95183	1.31564E-05	0.015488779
1177.319978	530.417031	1.19708E-05	0.014093431
1177.359978	463.681109	1.04646E-05	0.012320645
1177.399978	395.668055	8.92968E-06	0.010513801
1177.439978	339.076043	7.65247E-06	0.009010329
1177.479978	290.690157	6.56047E-06	0.007724824
1177.519978	249.869891	5.63922E-06	0.006640289
1177.559978	219.846745	4.96163E-06	0.005842623
1177.599978	213.935119	4.82822E-06	0.005685709
1177.639978	240.029607	5.41713E-06	0.006379433
1177.679978	260.533696	5.87988E-06	0.00692462
1177.719978	272.755297	6.15571E-06	0.007249699
1177.759978	252.042137	5.68824E-06	0.006699381
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1177.839978	224.766089	5.07266E-06	0.005974779
1177.879978	221.28952	4.9942E-06	0.005882564
1177.919978	204.84651	4.6231E-06	0.005445642
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1178.079978	290.50924	6.55639E-06	0.00772395
1178.119978	339.047644	7.65183E-06	0.009014777
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1178.199978	385.52855	8.70084E-06	0.010251332
1178.239978	413.036605	9.32166E-06	0.010983153
1178.279978	452.037444	1.02019E-05	0.012020642
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1178.359978	412.264757	9.30424E-06	0.010963746
1178.399978	384.747203	8.68321E-06	0.010232293
1178.439978	345.119858	7.78887E-06	0.009178721
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1178.559978	235.140648	5.3068E-06	0.006254378

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1178.639978	230.48765	5.20179E-06	0.006131032
1178.679978	205.243685	4.63206E-06	0.005459721
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1178.759978	261.18282	5.89453E-06	0.006948239
1178.799978	250.086955	5.64411E-06	0.006653282
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1178.879978	233.46064	5.26888E-06	0.006211379
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1178.959978	284.598106	6.42298E-06	0.00757244
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1179.199978	422.075673	9.52566E-06	0.011232658
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1179.279978	436.071988	9.84154E-06	0.011605928
1179.319978	428.46837	9.66993E-06	0.011403947
1179.359978	388.62953	8.77083E-06	0.010343963
1179.399978	345.963861	7.80792E-06	0.009208664
1179.439978	307.836116	6.94743E-06	0.008194079
1179.479978	264.905614	5.97855E-06	0.007051581
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1179.639978	201.049416	4.53741E-06	0.005352505
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1179.759978	239.564332	5.40663E-06	0.00637853
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1179.879978	189.188593	4.26972E-06	0.005037761
1179.919978	203.736153	4.59804E-06	0.005425321
1179.959978	210.527077	4.7513E-06	0.005606347
1179.999978	243.623559	5.49824E-06	0.006487928
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1180.119978	298.297403	6.73216E-06	0.007944753
1180.159978	328.532237	7.41451E-06	0.008750314
1180.199978	377.5059	8.51978E-06	0.010055047
1180.239978	402.632919	9.08686E-06	0.01072468
1180.279978	386.488915	8.72252E-06	0.010295012
1180.319978	352.005256	7.94427E-06	0.009376779
1180.359978	334.052017	7.53909E-06	0.008898839
1180.399978	301.11798	6.79581E-06	0.008021778

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1180.479978	254.886341	5.75243E-06	0.006790628
1180.519978	233.918001	5.2792E-06	0.006232205
1180.559978	216.718726	4.89104E-06	0.005774166
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1180.639978	180.298429	4.06908E-06	0.004804124
1180.679978	195.034525	4.40166E-06	0.005196949
1180.719978	195.991728	4.42326E-06	0.005222632
1180.759978	206.138158	4.65225E-06	0.005493192
1180.799978	223.627156	5.04695E-06	0.005959442
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1180.879978	227.443372	5.13308E-06	0.006061552
1180.919978	248.812393	5.61535E-06	0.006631278
1180.959978	257.371629	5.80852E-06	0.006859629
1180.999978	251.875176	5.68447E-06	0.006713361
1181.039978	284.658833	6.42435E-06	0.007587418
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1181.279978	426.624713	9.62833E-06	0.011373748
1181.319978	363.838353	8.21132E-06	0.009700202
1181.359978	339.608416	7.66449E-06	0.00905452
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1181.439978	255.635955	5.76935E-06	0.006816138
1181.479978	226.971411	5.12243E-06	0.006052047
1181.519978	215.177445	4.85626E-06	0.005737763
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1181.599978	221.613319	5.0015E-06	0.005909777
1181.639978	215.577489	4.86528E-06	0.005749014
1181.679978	230.076005	5.19249E-06	0.006135867
1181.719978	251.594167	5.67813E-06	0.00670996
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1181.799978	244.767136	5.52405E-06	0.006528326
1181.839978	226.590319	5.11383E-06	0.006043726
1181.879978	225.472611	5.0886E-06	0.006014118
1181.919978	234.240943	5.28649E-06	0.00624821
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1181.999978	222.765427	5.02751E-06	0.005942511
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1182.079978	310.091642	6.99834E-06	0.008272593
1182.119978	333.87261	7.53504E-06	0.008907321
1182.159978	354.74366	8.00607E-06	0.009464456
1182.199978	379.424843	8.56309E-06	0.010123285
1182.239978	397.996418	8.98222E-06	0.010619145

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1182.319978	444.691405	1.00361E-05	0.011865841
1182.359978	435.557494	9.82993E-06	0.011622511
1182.399978	385.873617	8.70863E-06	0.010297084
1182.439978	320.977818	7.24402E-06	0.008565622
1182.479978	270.576416	6.10653E-06	0.007220853
1182.519978	249.884508	5.63955E-06	0.006668875
1182.559978	230.335194	5.19834E-06	0.006147354
1182.599978	211.974478	4.78397E-06	0.005657521
1182.639978	201.937479	4.55745E-06	0.00538982
1182.679978	207.461153	4.68211E-06	0.005537437
1182.719978	220.876767	4.98488E-06	0.005895718
1182.759978	239.914975	5.41455E-06	0.006404109
1182.799978	232.97313	5.25788E-06	0.006219019
1182.839978	230.194001	5.19516E-06	0.006145041
1182.879978	259.757378	5.86236E-06	0.006934471
1182.919978	258.28646	5.82917E-06	0.006895436
1182.959978	241.95109	5.4605E-06	0.006459552
1182.999978	259.949879	5.86671E-06	0.006940314
1183.039978	277.031073	6.25221E-06	0.007396609
1183.079978	304.695041	6.87654E-06	0.0081355
1183.119978	347.412521	7.84062E-06	0.00927639
1183.159978	394.729436	8.90849E-06	0.010540173
1183.199978	432.427271	9.75928E-06	0.011547181
1183.239978	457.719529	1.03301E-05	0.012222978
1183.279978	453.33163	1.02311E-05	0.012106213
1183.319978	429.164286	9.68564E-06	0.011461211
1183.359978	380.478095	8.58686E-06	0.010161347
1183.399978	343.254658	7.74678E-06	0.009167539
1183.439978	299.673801	6.76322E-06	0.008003865
1183.479978	245.727281	5.54572E-06	0.006563251
1183.519978	206.865678	4.66867E-06	0.005525464
1183.559978	188.645034	4.25746E-06	0.005038954
1183.599978	195.566258	4.41366E-06	0.005224006
1183.639978	208.304087	4.70113E-06	0.005564449
1183.679978	236.340046	5.33387E-06	0.00631359
1183.719978	257.012182	5.80041E-06	0.006866058
1183.759978	265.998763	6.00322E-06	0.007106373
1183.799978	249.141998	5.62279E-06	0.006656256
1183.839978	234.667284	5.29611E-06	0.006269751
1183.879978	243.737873	5.50082E-06	0.006512316
1183.919978	241.147199	5.44236E-06	0.006443314
1183.959978	232.826002	5.25456E-06	0.006221187
1183.999978	227.318238	5.13026E-06	0.006074223
1184.039978	247.287617	5.58094E-06	0.006608053
1184.079978	303.13155	6.84126E-06	0.008100595

1184.119978	353.666009	7.98175E-06	0.009451349
1184.159978	380.461856	8.58649E-06	0.010167783
1184.199978	402.506511	9.08401E-06	0.010757286
1184.239978	399.128852	9.00778E-06	0.010667376
1184.279978	378.992394	8.55333E-06	0.010129538
1184.319978	376.265559	8.49179E-06	0.010056996
1184.359978	361.339986	8.15494E-06	0.009658385
1184.399978	327.878342	7.39976E-06	0.008764273
1184.439978	307.765231	6.94583E-06	0.008226922
1184.479978	263.107835	5.93798E-06	0.007033415
1184.519978	215.286829	4.85872E-06	0.005755255
1184.559978	188.923155	4.26373E-06	0.005050647
1184.599978	194.201789	4.38286E-06	0.00519194
1184.639978	199.506271	4.50258E-06	0.005333935
1184.679978	204.513038	4.61557E-06	0.005467979
1184.719978	220.70465	4.981E-06	0.005901086
1184.759978	236.05215	5.32737E-06	0.006311653
1184.799978	269.718212	6.08716E-06	0.007212072
1184.839978	271.623363	6.13016E-06	0.00726326
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1184.919978	266.193856	6.00762E-06	0.007118554
1184.959978	254.899198	5.75272E-06	0.006816743
1184.999978	261.803162	5.90853E-06	0.007001611
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1185.079978	363.970282	8.2143E-06	0.009734605
1185.119978	414.041441	9.34434E-06	0.011074162
1185.159978	423.919093	9.56726E-06	0.011338738
1185.199978	425.277766	9.59793E-06	0.011375463
1185.239978	449.107431	1.01357E-05	0.012013271
1185.279978	474.759326	1.07147E-05	0.012699868
1185.319978	447.99673	1.01107E-05	0.01198437
1185.359978	388.982797	8.7788E-06	0.010406038
1185.399978	348.629543	7.86808E-06	0.009326826
1185.439978	294.613166	6.64901E-06	0.007882001
1185.479978	225.762966	5.09516E-06	0.006040205
1185.519978	191.400061	4.31963E-06	0.005121011
1185.559978	190.886361	4.30804E-06	0.005107439
1185.599978	212.011592	4.78481E-06	0.005672866
1185.639978	233.511653	5.27003E-06	0.006248362
1185.679978	255.266366	5.76101E-06	0.00683071
1185.719978	249.967415	5.64142E-06	0.00668914
1185.759978	226.951097	5.12197E-06	0.006073427
1185.799978	205.995085	4.64902E-06	0.00551281
1185.839978	195.645056	4.41544E-06	0.005236001
1185.879978	198.495511	4.47977E-06	0.005312466
1185.919978	212.698174	4.8003E-06	0.005692773

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1186.039978	249.251756	5.62526E-06	0.006671789
1186.079978	271.231522	6.12132E-06	0.007260372
1186.119978	284.402084	6.41856E-06	0.007613181
1186.159978	288.396558	6.50871E-06	0.00772037
1186.199978	323.227711	7.2948E-06	0.008653091
1186.239978	349.731324	7.89295E-06	0.009362931
1186.279978	329.639538	7.43951E-06	0.008825336
1186.319978	327.311896	7.38697E-06	0.008763314
1186.359978	344.510792	7.77513E-06	0.009224102
1186.399978	315.825405	7.12774E-06	0.00845635
1186.439978	252.895054	5.70749E-06	0.006771593
1186.479978	229.202041	5.17277E-06	0.006137389
1186.519978	210.418826	4.74886E-06	0.005634617
1186.559978	195.805702	4.41906E-06	0.005243482
1186.599978	211.57888	4.77504E-06	0.005666063
1186.639978	225.310681	5.08495E-06	0.006034003
1186.679978	233.997147	5.28099E-06	0.006266845
1186.719978	234.444042	5.29108E-06	0.006279025
1186.759978	233.225462	5.26357E-06	0.006246599
1186.799978	228.430843	5.15537E-06	0.006118388
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1186.879978	211.958746	4.78361E-06	0.005677575
1186.919978	240.040459	5.41738E-06	0.006429995
1186.959978	250.754483	5.65918E-06	0.006717219
1186.999978	260.285524	5.87428E-06	0.006972772
1187.039978	297.89428	6.72306E-06	0.00798054
1187.079978	334.931725	7.55894E-06	0.008973069
1187.119978	377.356788	8.51642E-06	0.010110009
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1187.239978	396.02049	8.93763E-06	0.010611113
1187.279978	412.940589	9.31949E-06	0.011064849
1187.319978	397.487409	8.97074E-06	0.010651135
1187.359978	347.481809	7.84218E-06	0.009311491
1187.399978	306.346548	6.91381E-06	0.008209464
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1187.519978	196.586925	4.43669E-06	0.005268662
1187.559978	184.481979	4.1635E-06	0.004944408
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1187.919978	214.773787	4.84715E-06	0.005758021
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1187.999978	232.726159	5.25231E-06	0.006239739
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1188.359978	357.16184	8.06065E-06	0.009578948
1188.399978	341.93894	7.71709E-06	0.009170984
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1188.479978	280.561921	6.33189E-06	0.007525327
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1188.759978	213.27354	4.81329E-06	0.005721843
1188.799978	205.712825	4.64265E-06	0.005519185
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1189.359978	397.656175	8.97455E-06	0.010673966
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1189.479978	247.981308	5.59659E-06	0.006657035
1189.519978	232.218967	5.24086E-06	0.006234106
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1190.279978	407.97036	9.20732E-06	0.010959292
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1190.359978	361.426098	8.15688E-06	0.009709628
1190.399978	319.580984	7.2125E-06	0.008585757
1190.439978	275.039868	6.20727E-06	0.007389378
1190.479978	246.070312	5.55346E-06	0.006611288
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1190.599978	200.629906	4.52794E-06	0.005390962
1190.639978	187.136315	4.22341E-06	0.005028556
1190.679978	200.080449	4.51554E-06	0.00537656
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1191.279978	584.509911	1.31916E-05	0.015714859
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1191.399978	525.412716	1.18578E-05	0.014127422
1191.439978	409.71019	9.24659E-06	0.011016755

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1191.919978	191.445688	4.32066E-06	0.005149884
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1192.879978	200.259215	4.51957E-06	0.005391306
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1193.079978	316.935456	7.15279E-06	0.008533853
1193.119978	377.860755	8.52779E-06	0.010174678
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1193.439978	312.792035	7.05928E-06	0.008424828
1193.479978	262.278119	5.91925E-06	0.007064509
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1193.559978	233.247767	5.26408E-06	0.006282992
1193.599978	212.091634	4.78661E-06	0.005713301
1193.639978	213.134395	4.81015E-06	0.005741583
1193.679978	212.330141	4.792E-06	0.005720109
1193.719978	222.056762	5.01151E-06	0.005982342
1193.759978	236.074521	5.32787E-06	0.006360202
1193.799978	233.371593	5.26687E-06	0.006287591
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1193.879978	228.931021	5.16665E-06	0.006168365
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1194.039978	274.25927	6.18965E-06	0.007390689
1194.079978	275.81255	6.22471E-06	0.007432796
1194.119978	301.012055	6.79342E-06	0.008112162
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1194.199978	376.767173	8.50311E-06	0.010154414
1194.239978	418.449909	9.44383E-06	0.011278201
1194.279978	431.383412	9.73572E-06	0.011627179
1194.319978	432.194926	9.75404E-06	0.011649442
1194.359978	399.84453	9.02393E-06	0.010777826
1194.399978	337.156017	7.60914E-06	0.009088359
1194.439978	291.523924	6.57929E-06	0.007858566
1194.479978	244.156891	5.51028E-06	0.00658192
1194.519978	228.20453	5.15026E-06	0.006152087
1194.559978	227.071692	5.12469E-06	0.006121752
1194.599978	213.396546	4.81606E-06	0.005753269
1194.639978	231.950852	5.23481E-06	0.00625371
1194.679978	263.907559	5.95603E-06	0.007115545
1194.719978	266.118249	6.00592E-06	0.00717539
1194.759978	257.351205	5.80806E-06	0.006939236
1194.799978	290.096917	6.54708E-06	0.007822455
1194.839978	306.252379	6.91169E-06	0.008258363
1194.879978	278.637136	6.28845E-06	0.007513945
1194.919978	246.084752	5.55379E-06	0.006636335
1194.959978	253.804098	5.728E-06	0.006844737
1194.999978	272.157363	6.14221E-06	0.007339944
1195.039978	303.278197	6.84457E-06	0.008179531
1195.079978	353.876827	7.98651E-06	0.009544515
1195.119978	405.928667	9.16124E-06	0.010948786

1195.159978	439.19723	9.91207E-06	0.011846509
1195.199978	469.560429	1.05973E-05	0.012665922
1195.239978	481.404787	1.08646E-05	0.012985847
1195.279978	462.706243	1.04426E-05	0.012481873
1195.319978	418.770511	9.45107E-06	0.011297049
1195.359978	377.216957	8.51326E-06	0.010176412
1195.399978	338.66395	7.64317E-06	0.00913665
1195.439978	297.072537	6.70451E-06	0.008014843
1195.479978	247.179797	5.5785E-06	0.00666899
1195.519978	222.01558	5.01058E-06	0.005990251
1195.559978	220.523617	4.97691E-06	0.005950195
1195.599978	207.597533	4.68519E-06	0.00560161
1195.639978	218.006663	4.92011E-06	0.005882676
1195.679978	253.977555	5.73192E-06	0.006853542
1195.719978	272.258901	6.1445E-06	0.007347106
1195.759978	271.33251	6.1236E-06	0.007322352
1195.799978	249.789675	5.63741E-06	0.006741209
1195.839978	232.544559	5.24821E-06	0.006276015
1195.879978	246.721113	5.56815E-06	0.006658841
1195.919978	238.225075	5.37641E-06	0.006429754
1195.959978	231.359698	5.22147E-06	0.006244665
1195.999978	248.994512	5.61946E-06	0.006720873
1196.039978	272.051679	6.13983E-06	0.007343479
1196.079978	310.948716	7.01768E-06	0.008393706
1196.119978	347.324861	7.83864E-06	0.009375952
1196.159978	407.31413	9.19251E-06	0.010995716
1196.199978	436.724077	9.85625E-06	0.011790051
1196.239978	437.288309	9.86899E-06	0.011805678
1196.279978	420.763224	9.49604E-06	0.011359922
1196.319978	395.320262	8.92183E-06	0.010673361
1196.359978	367.732087	8.2992E-06	0.009928832
1196.399978	356.734585	8.051E-06	0.009632219
1196.439978	333.851163	7.53456E-06	0.009014644
1196.479978	287.26353	6.48314E-06	0.007756945
1196.519978	263.809659	5.95382E-06	0.00712386
1196.559978	241.168459	5.44284E-06	0.00651268
1196.599978	220.217044	4.96999E-06	0.005947092
1196.639978	230.159956	5.19439E-06	0.006215814
1196.679978	241.367624	5.44733E-06	0.006518712
1196.719978	260.189137	5.87211E-06	0.007027267
1196.759978	277.781546	6.26914E-06	0.007502659
1196.799978	303.173798	6.84221E-06	0.008188757
1196.839978	300.918806	6.79132E-06	0.008128121
1196.879978	284.680777	6.42485E-06	0.007689773
1196.919978	242.674187	5.47682E-06	0.006555313
1196.959978	228.323009	5.15293E-06	0.006167854

1196.999978	269.929594	6.09193E-06	0.007292046
1197.039978	311.697463	7.03458E-06	0.008420671
1197.079978	354.042177	7.99024E-06	0.009564955
1197.119978	411.135344	9.27875E-06	0.011107779
1197.159978	422.49982	9.53523E-06	0.011415199
1197.199978	420.798877	9.49684E-06	0.011369622
1197.239978	409.119868	9.23327E-06	0.011054435
1197.279978	394.934954	8.91313E-06	0.010671514
1197.319978	378.134583	8.53397E-06	0.010217894
1197.359978	353.742608	7.98348E-06	0.009559097
1197.399978	317.001782	7.15429E-06	0.008566545
1197.439978	291.372068	6.57586E-06	0.0078742
1197.479978	254.113351	5.73498E-06	0.006867529
1197.519978	213.589374	4.82041E-06	0.005772543
1197.559978	203.857568	4.60078E-06	0.005509712
1197.599978	213.923339	4.82795E-06	0.005781955
1197.639978	219.671634	4.95768E-06	0.005937519
1197.679978	224.201817	5.05992E-06	0.006060168
1197.719978	233.706747	5.27444E-06	0.006317297
1197.759978	220.895965	4.98531E-06	0.00597121
1197.799978	206.873164	4.66884E-06	0.005592335
1197.839978	224.752551	5.07235E-06	0.006075866
1197.879978	243.68618	5.49966E-06	0.00658793
1197.919978	231.68684	5.22885E-06	0.006263743
1197.959978	223.56863	5.04563E-06	0.006044466
1197.999978	238.883289	5.39126E-06	0.006458733
1198.039978	246.885897	5.57187E-06	0.006675324
1198.079978	257.67532	5.81537E-06	0.006967282
1198.119978	281.096135	6.34395E-06	0.007600811
1198.159978	331.340941	7.4779E-06	0.008959725
1198.199978	393.177328	8.87346E-06	0.010632185
1198.239978	408.969096	9.22986E-06	0.011059591
1198.279978	403.210258	9.09989E-06	0.010904221
1198.319978	395.188179	8.91885E-06	0.010687632
1198.359978	348.184135	7.85803E-06	0.00941675
1198.399978	276.707454	6.2449E-06	0.00748389
1198.439978	244.089476	5.50876E-06	0.006601918
1198.479978	247.069076	5.576E-06	0.00668273
1198.519978	260.899812	5.88815E-06	0.00705706
1198.559978	248.138407	5.60014E-06	0.006712102
1198.599978	215.206038	4.8569E-06	0.005821481
1198.639978	214.055025	4.83092E-06	0.005790538
1198.679978	235.74027	5.32033E-06	0.006377372
1198.719978	242.784517	5.47931E-06	0.006568156
1198.759978	218.751782	4.93692E-06	0.005918186
1198.799978	214.192106	4.83402E-06	0.00579502

1198.839978	244.179324	5.51079E-06	0.006606552
1198.879978	247.248049	5.58004E-06	0.006689803
1198.919978	237.331617	5.35624E-06	0.006421708
1198.959978	249.444655	5.62962E-06	0.006749687
1198.999978	253.679964	5.7252E-06	0.006864519
1199.039978	289.095505	6.52448E-06	0.007823116
1199.079978	313.249671	7.06961E-06	0.008477026
1199.119978	323.57112	7.30255E-06	0.008756633
1199.159978	328.686698	7.418E-06	0.00889537
1199.199978	368.578819	8.31831E-06	0.009975318
1199.239978	369.547997	8.34018E-06	0.010001882
1199.279978	360.841688	8.14369E-06	0.00976657
1199.319978	358.454212	8.08981E-06	0.009702273
1199.359978	347.720579	7.84757E-06	0.00941206
1199.399978	308.980263	6.97325E-06	0.008363721
1199.439978	262.826769	5.93163E-06	0.007114639
1199.479978	234.26105	5.28695E-06	0.006341585
1199.519978	207.512134	4.68326E-06	0.005617664
1199.559978	187.415303	4.2297E-06	0.005073782
1199.599978	189.161502	4.26911E-06	0.005121226
1199.639978	202.529404	4.57081E-06	0.005483322
1199.679978	205.027786	4.62719E-06	0.005551149
1199.719978	221.898063	5.00793E-06	0.006008114
1199.759978	232.594243	5.24933E-06	0.006297934
1199.799978	246.395465	5.5608E-06	0.006671851
1199.839978	248.131702	5.59999E-06	0.006719088
1199.879978	225.287183	5.08442E-06	0.006100691
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1200.159978	353.426529	7.97634E-06	0.009572889
1200.199978	369.580983	8.34093E-06	0.010010782
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1200.279978	355.87636	8.03163E-06	0.009640209
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1200.359978	277.194138	6.25589E-06	0.007509315
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1200.439978	257.558198	5.81273E-06	0.006977833
1200.479978	233.250376	5.26414E-06	0.00631949
1200.519978	205.548333	4.63894E-06	0.00556914
1200.559978	201.261703	4.5422E-06	0.005453179
1200.599978	191.504923	4.322E-06	0.005188992
1200.639978	209.79946	4.73488E-06	0.005684888

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1200.719978	240.217388	5.42137E-06	0.006509549
1200.759978	276.676532	6.2442E-06	0.00749779
1200.799978	296.848151	6.69945E-06	0.008044699
1200.839978	277.792921	6.2694E-06	0.007528545
1200.879978	237.110701	5.35126E-06	0.006426219
1200.919978	215.914396	4.87289E-06	0.005851948
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1200.999978	237.826982	5.36742E-06	0.006446276
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1201.159978	347.05517	7.83255E-06	0.009408148
1201.199978	383.226752	8.64889E-06	0.010389051
1201.239978	431.535125	9.73915E-06	0.011699052
1201.279978	437.663654	9.87746E-06	0.011865594
1201.319978	427.553434	9.64929E-06	0.011591879
1201.359978	391.217677	8.82924E-06	0.010607093
1201.399978	336.966408	7.60486E-06	0.009136482
1201.439978	294.980909	6.65731E-06	0.007998356
1201.479978	269.376969	6.07946E-06	0.007304353
1201.519978	259.469278	5.85586E-06	0.007035933
1201.559978	249.677442	5.63487E-06	0.006770637
1201.599978	240.377745	5.42499E-06	0.006518669
1201.639978	230.61749	5.20472E-06	0.006254194
1201.679978	228.842404	5.16465E-06	0.006206262
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1201.839978	188.546432	4.25523E-06	0.005114106
1201.879978	196.133384	4.42646E-06	0.00532007
1201.919978	201.176572	4.54028E-06	0.005457047
1201.959978	203.244058	4.58694E-06	0.005513313
1201.999978	214.851718	4.8489E-06	0.005828383
1202.039978	213.766597	4.82441E-06	0.005799139
1202.079978	221.957635	5.00927E-06	0.006021549
1202.119978	239.060376	5.39526E-06	0.006485749
1202.159978	278.959574	6.29573E-06	0.007568473
1202.199978	349.246073	7.882E-06	0.009475737
1202.239978	405.529419	9.15223E-06	0.011003182
1202.279978	415.329053	9.3734E-06	0.011269449
1202.319978	382.658075	8.63606E-06	0.010383307
1202.359978	317.155077	7.15775E-06	0.00860619
1202.399978	277.820012	6.27001E-06	0.007539061
1202.439978	258.881403	5.84259E-06	0.007025367
1202.479978	243.230058	5.48936E-06	0.00660085

1202.519978	242.677165	5.47689E-06	0.006586064
1202.559978	237.451385	5.35895E-06	0.006444455
1202.599978	208.107995	4.69671E-06	0.00564826
1202.639978	194.909827	4.39884E-06	0.005290225
1202.679978	203.170456	4.58527E-06	0.005514617
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1202.759978	254.438455	5.74232E-06	0.006906635
1202.799978	232.567169	5.24872E-06	0.006313157
1202.839978	226.501119	5.11181E-06	0.006148695
1202.879978	233.657096	5.27332E-06	0.006343165
1202.919978	248.843895	5.61606E-06	0.006755671
1202.959978	264.087888	5.9601E-06	0.007169757
1202.999978	285.708394	6.44804E-06	0.007756993
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1203.119978	343.166787	7.7448E-06	0.009317919
1203.159978	351.879001	7.94142E-06	0.009554797
1203.199978	362.859433	8.18923E-06	0.009853284
1203.239978	388.792613	8.77451E-06	0.010557838
1203.279978	389.178829	8.78322E-06	0.010568678
1203.319978	369.636058	8.34217E-06	0.010038301
1203.359978	357.54723	8.06934E-06	0.009710324
1203.399978	313.745598	7.0808E-06	0.008521036
1203.439978	254.570617	5.7453E-06	0.006914129
1203.479978	217.35862	4.90548E-06	0.005903649
1203.519978	228.036455	5.14647E-06	0.006193874
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1203.599978	218.316585	4.9271E-06	0.005930259
1203.639978	211.147619	4.76531E-06	0.005735715
1203.679978	228.471834	5.15629E-06	0.006206524
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1203.759978	251.406549	5.6739E-06	0.006830008
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1203.879978	245.406074	5.53847E-06	0.006667657
1203.919978	236.443795	5.33621E-06	0.006424366
1203.959978	224.386439	5.06409E-06	0.006096961
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1204.119978	320.882345	7.24187E-06	0.008720077
1204.159978	361.549042	8.15966E-06	0.009825534
1204.199978	360.337339	8.13231E-06	0.00979293
1204.239978	330.221015	7.45263E-06	0.008974753
1204.279978	302.402372	6.8248E-06	0.00821897
1204.319978	292.406964	6.59922E-06	0.00794757

1204.359978	295.825172	6.67636E-06	0.008040743
1204.399978	298.932465	6.74649E-06	0.008125472
1204.439978	277.489434	6.26255E-06	0.007542866
1204.479978	259.861297	5.86471E-06	0.007063923
1204.519978	234.786707	5.29881E-06	0.006382521
1204.559978	223.731266	5.0493E-06	0.006082188
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1204.679978	211.937541	4.78314E-06	0.005762147
1204.719978	241.777268	5.45658E-06	0.006573646
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1204.799978	237.039377	5.34965E-06	0.006445256
1204.839978	227.139736	5.12623E-06	0.006176284
1204.879978	208.902466	4.71464E-06	0.005680573
1204.919978	198.72854	4.48503E-06	0.005404098
1204.959978	209.289732	4.72338E-06	0.005691481
1204.999978	247.925325	5.59533E-06	0.006742372
1205.039978	258.363087	5.8309E-06	0.007026462
1205.079978	272.273873	6.14484E-06	0.007405026
1205.119978	313.699545	7.07976E-06	0.008531962
1205.159978	377.283851	8.51477E-06	0.010261661
1205.199978	417.762188	9.42831E-06	0.011363
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1205.319978	409.862131	9.25002E-06	0.011149231
1205.359978	363.94694	8.21378E-06	0.009900556
1205.399978	325.808931	7.35305E-06	0.008863371
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1205.479978	273.597785	6.17472E-06	0.007443502
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1205.599978	183.444215	4.14008E-06	0.004991281
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1205.719978	248.936537	5.61815E-06	0.006773917
1205.759978	265.869805	6.00031E-06	0.007234935
1205.799978	262.98206	5.93514E-06	0.00715659
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1205.879978	225.158351	5.08151E-06	0.006127692
1205.919978	221.126564	4.99052E-06	0.006018166
1205.959978	227.491791	5.13417E-06	0.006191607
1205.999978	239.771693	5.41131E-06	0.006526044
1206.039978	256.298364	5.7843E-06	0.006976094
1206.079978	267.555196	6.03835E-06	0.007282731
1206.119978	276.701188	6.24476E-06	0.00753193
1206.159978	308.646403	6.96572E-06	0.008401772

1206.199978	321.639901	7.25896E-06	0.008755763
1206.239978	341.707298	7.71186E-06	0.009302351
1206.279978	344.474422	7.77431E-06	0.009377992
1206.319978	344.583269	7.77676E-06	0.009381266
1206.359978	333.237958	7.52072E-06	0.009072691
1206.399978	298.605125	6.7391E-06	0.008130052
1206.439978	292.310277	6.59704E-06	0.007958928
1206.479978	271.96437	6.13786E-06	0.007405202
1206.519978	249.537116	5.63171E-06	0.006794765
1206.559978	232.392879	5.24478E-06	0.006328146
1206.599978	224.885303	5.07535E-06	0.006123915
1206.639977	221.264722	4.99364E-06	0.006025522
1206.679977	229.289649	5.17475E-06	0.006244265
1206.719977	260.345797	5.87564E-06	0.007090255
1206.759977	272.94995	6.1601E-06	0.007433762
1206.799977	249.877991	5.6394E-06	0.006805626
1206.839977	241.552443	5.4515E-06	0.006579091
1206.879977	235.882962	5.32355E-06	0.006424886
1206.919977	259.845931	5.86436E-06	0.007077814
1206.959977	254.189306	5.7367E-06	0.006923966
1206.999977	250.865698	5.66169E-06	0.006833659
1207.039977	294.263089	6.64111E-06	0.008016083
1207.079977	349.598456	7.88995E-06	0.009523801
1207.119977	367.587799	8.29594E-06	0.0100142
1207.159977	391.669617	8.83944E-06	0.010670615
1207.199977	438.572464	9.89797E-06	0.011948829
1207.239977	457.65133	1.03286E-05	0.012469042
1207.279977	426.681341	9.6296E-06	0.011625628
1207.319977	386.690495	8.72707E-06	0.010536361
1207.359977	358.298352	8.08629E-06	0.009763069
1207.399977	324.04053	7.31314E-06	0.008829889
1207.439977	273.96389	6.18298E-06	0.007465581
1207.479977	224.562104	5.06805E-06	0.006119574
1207.519977	197.473843	4.45671E-06	0.005381566
1207.559977	193.381584	4.36435E-06	0.005270218
1207.599977	207.349376	4.67959E-06	0.005651069
1207.639977	221.156303	4.99119E-06	0.00602756
1207.679977	223.773102	5.05025E-06	0.006099082
1207.719977	239.771846	5.41132E-06	0.006535355
1207.759977	251.026431	5.66532E-06	0.006842343
1207.799977	240.615344	5.43035E-06	0.00655878
1207.839977	236.541255	5.33841E-06	0.006447941
1207.879977	237.526694	5.36065E-06	0.006475018
1207.919977	223.101724	5.0351E-06	0.006081992
1207.959977	228.738734	5.16231E-06	0.006235869
1207.999977	259.592429	5.85864E-06	0.007077236

1208.039977	265.658335	5.99554E-06	0.00724285
1208.079977	257.759371	5.81727E-06	0.007027727
1208.119977	279.091478	6.29871E-06	0.007609592
1208.159977	316.089408	7.1337E-06	0.008618648
1208.199977	342.135122	7.72151E-06	0.009329132
1208.239977	341.377857	7.70442E-06	0.009308792
1208.279977	346.774631	7.82622E-06	0.009456265
1208.319977	354.425033	7.99888E-06	0.009665206
1208.359977	340.127742	7.67621E-06	0.009275624
1208.399977	294.42735	6.64482E-06	0.008029595
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1208.479977	254.673566	5.74763E-06	0.006945893
1208.519977	225.221408	5.08293E-06	0.006142827
1208.559977	216.86815	4.89441E-06	0.005915191
1208.599977	213.968366	4.82897E-06	0.005836291
1208.639977	216.346244	4.88263E-06	0.005901346
1208.679977	242.773663	5.47906E-06	0.006622434
1208.719977	264.929723	5.97909E-06	0.007227051
1208.759977	268.745738	6.06522E-06	0.007331392
1208.799977	259.014724	5.8456E-06	0.007066163
1208.839977	249.851452	5.6388E-06	0.006816406
1208.879977	258.791544	5.84056E-06	0.007060542
1208.919977	253.991874	5.73224E-06	0.006929823
1208.959977	246.547633	5.56424E-06	0.006726939
1208.999977	255.233779	5.76027E-06	0.006964167
1209.039977	286.441881	6.46459E-06	0.007815953
1209.079977	314.261676	7.09245E-06	0.008575337
1209.119977	342.396863	7.72742E-06	0.009343378
1209.159977	398.565219	8.99506E-06	0.010876469
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1209.239977	466.697455	1.05327E-05	0.012736576
1209.279977	454.577819	1.02592E-05	0.012406231
1209.319977	422.282836	9.53034E-06	0.011525225
1209.359977	374.5857	8.45388E-06	0.010223781
1209.399977	326.130185	7.3603E-06	0.008901552
1209.439977	277.863669	6.271E-06	0.007584393
1209.479977	258.271324	5.82882E-06	0.007049846
1209.519977	240.564388	5.4292E-06	0.00656673
1209.559977	224.381154	5.06397E-06	0.006125176
1209.599977	223.347682	5.04065E-06	0.006097165
1209.639977	243.764083	5.50142E-06	0.006654733
1209.679977	234.747932	5.29793E-06	0.006408804
1209.719977	233.467812	5.26904E-06	0.006374067
1209.759977	252.113154	5.68984E-06	0.006883344
1209.799977	254.736594	5.74905E-06	0.006955201
1209.839977	231.873435	5.23306E-06	0.006331166

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1209.919977	236.466975	5.33673E-06	0.006457017
1209.959977	231.156078	5.21687E-06	0.006312205
1209.999977	228.839203	5.16458E-06	0.006249144
1210.039977	256.060832	5.77894E-06	0.006992744
1210.079977	287.314866	6.4843E-06	0.007846517
1210.119977	324.920981	7.33301E-06	0.008873827
1210.159977	343.234069	7.74631E-06	0.00937428
1210.199977	367.074391	8.28436E-06	0.01002573
1210.239977	383.13326	8.64678E-06	0.010464684
1210.279977	373.407156	8.42728E-06	0.010199368
1210.319977	376.085021	8.48772E-06	0.010272851
1210.359977	375.573876	8.47618E-06	0.010259228
1210.399977	327.79767	7.39794E-06	0.008954463
1210.439977	272.810086	6.15694E-06	0.007452611
1210.479977	218.458448	4.9303E-06	0.005968033
1210.519977	211.019133	4.76241E-06	0.00576499
1210.559977	229.200241	5.17273E-06	0.0062619
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1210.639977	236.996203	5.34867E-06	0.006475319
1210.679977	255.684626	5.77045E-06	0.006986163
1210.719977	252.60528	5.70095E-06	0.006902253
1210.759977	255.153481	5.75846E-06	0.006972111
1210.799977	271.541954	6.12832E-06	0.007420174
1210.839977	266.092626	6.00534E-06	0.007271506
1210.879977	251.623316	5.67879E-06	0.00687633
1210.919977	250.518475	5.65385E-06	0.006846364
1210.959977	249.936784	5.64073E-06	0.006830692
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1211.079977	272.682409	6.15406E-06	0.007453061
1211.119977	317.584758	7.16745E-06	0.008680637
1211.159977	379.444856	8.56354E-06	0.010371819
1211.199977	419.949665	9.47768E-06	0.011479365
1211.239977	455.857133	1.02881E-05	0.01246131
1211.279977	442.727181	9.99174E-06	0.01210279
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1211.359977	335.95133	7.58195E-06	0.009184475
1211.399977	299.031067	6.74871E-06	0.008175393
1211.439977	263.020529	5.93601E-06	0.007191116
1211.479977	241.042275	5.43999E-06	0.006590437
1211.519977	224.443565	5.06538E-06	0.006136807
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1211.639977	192.613089	4.34701E-06	0.00526701
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1211.759977	219.841559	4.96152E-06	0.006012169
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1211.839977	199.789031	4.50896E-06	0.005464138
1211.879977	185.855637	4.1945E-06	0.005083234
1211.919977	173.625009	3.91847E-06	0.004748878
1211.959977	170.950327	3.85811E-06	0.004675876
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1212.039977	228.854568	5.16493E-06	0.0062601
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1212.119977	311.661607	7.03377E-06	0.008525771
1212.159977	347.970976	7.85322E-06	0.009519359
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1212.239977	397.473395	8.97042E-06	0.010874303
1212.279977	396.19437	8.94156E-06	0.010839668
1212.319977	361.008365	8.14746E-06	0.009877324
1212.359977	320.01384	7.22227E-06	0.008755987
1212.399977	271.675108	6.13133E-06	0.007433623
1212.439977	241.792906	5.45693E-06	0.006616199
1212.479977	243.238373	5.48955E-06	0.006655971
1212.519977	228.586639	5.15888E-06	0.006255248
1212.559977	211.204431	4.76659E-06	0.005779776
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1212.639977	220.961945	4.9868E-06	0.006047197
1212.679977	231.578515	5.2264E-06	0.006337956
1212.719977	259.007366	5.84544E-06	0.007088876
1212.759977	270.263417	6.09947E-06	0.007397192
1212.799977	275.285354	6.21281E-06	0.007534892
1212.839977	258.022988	5.82322E-06	0.007062633
1212.879977	232.109623	5.23839E-06	0.006353539
1212.919977	227.714722	5.1392E-06	0.006233443
1212.959977	239.895382	5.4141E-06	0.006567092
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1213.079977	352.346319	7.95197E-06	0.00964637
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1213.159977	458.941664	1.03577E-05	0.012565516
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1213.239977	518.151357	1.1694E-05	0.014187573
1213.279977	495.08243	1.11733E-05	0.013556366
1213.319977	436.839766	9.85887E-06	0.011961958
1213.359977	414.637425	9.35779E-06	0.011354367
1213.399977	392.280773	8.85323E-06	0.01074251
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1213.679977	255.517369	5.76667E-06	0.006998893
1213.719977	234.089585	5.28308E-06	0.006412175
1213.759977	215.392387	4.86111E-06	0.005900216
1213.799977	216.542537	4.88706E-06	0.005931917
1213.839977	229.865077	5.18773E-06	0.00629708
1213.879977	248.008749	5.59721E-06	0.006794344
1213.919977	249.489598	5.63063E-06	0.006835138
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1214.039977	243.731174	5.50067E-06	0.006678037
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1214.199977	422.288529	9.53046E-06	0.011571889
1214.239977	441.465869	9.96327E-06	0.0120978
1214.279977	411.399218	9.28471E-06	0.011274234
1214.319977	377.482698	8.51926E-06	0.010345106
1214.359977	351.26559	7.92758E-06	0.00962693
1214.399977	311.514296	7.03044E-06	0.008537771
1214.439977	263.456034	5.94584E-06	0.007220861
1214.479977	222.523819	5.02205E-06	0.006099182
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1214.599977	224.550491	5.06779E-06	0.00615534
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1214.759977	212.92589	4.80544E-06	0.005837457
1214.799977	211.221259	4.76697E-06	0.005790915
1214.839977	200.7394	4.53041E-06	0.005503722
1214.879977	198.351045	4.47651E-06	0.005438418
1214.919977	201.611068	4.55008E-06	0.005527984
1214.959977	218.340111	4.92763E-06	0.005986876
1214.999977	232.83903	5.25485E-06	0.006384646
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1215.079977	312.294219	7.04805E-06	0.008563939
1215.119977	348.535125	7.86595E-06	0.009558076
1215.159977	394.569522	8.90488E-06	0.010820859
1215.199977	438.387561	9.8938E-06	0.012022941
1215.239977	448.691085	1.01263E-05	0.012305924
1215.279977	441.152138	9.95619E-06	0.012099557
1215.319977	410.869616	9.27275E-06	0.011269364
1215.359977	363.17237	8.19629E-06	0.009961448

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1215.439977	251.790986	5.68257E-06	0.006906825
1215.479977	219.315002	4.94963E-06	0.006016181
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1215.679977	231.005394	5.21347E-06	0.006337911
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1215.799977	217.782407	4.91505E-06	0.005975712
1215.839977	231.753928	5.23036E-06	0.006359285
1215.879977	228.162338	5.14931E-06	0.006260938
1215.919977	230.555311	5.20331E-06	0.006326811
1215.959977	224.756211	5.07243E-06	0.006167877
1215.999977	237.472242	5.35942E-06	0.006517052
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1216.079977	278.66565	6.2891E-06	0.007648043
1216.119977	313.106021	7.06637E-06	0.00859355
1216.159977	359.930424	8.12313E-06	0.009879024
1216.199977	390.756537	8.81883E-06	0.010725462
1216.239977	384.846849	8.68546E-06	0.0105636
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1216.319977	376.170428	8.48964E-06	0.010326122
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1216.399977	337.015061	7.60596E-06	0.00925189
1216.439977	272.628485	6.15285E-06	0.007484567
1216.479977	241.50121	5.45035E-06	0.006630237
1216.519977	262.035973	5.91379E-06	0.00719424
1216.559977	263.420201	5.94503E-06	0.007232482
1216.599977	228.851139	5.16485E-06	0.006283558
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1216.679977	200.262503	4.51965E-06	0.005498962
1216.719977	246.993341	5.5743E-06	0.006782357
1216.759977	279.778542	6.31421E-06	0.00768288
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1216.879977	223.533902	5.04485E-06	0.006138976
1216.919977	231.570067	5.22621E-06	0.006359884
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1216.999977	196.438292	4.43334E-06	0.005395373
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1217.119977	309.183961	6.97785E-06	0.008492882
1217.159977	346.721095	7.82501E-06	0.009524292
1217.199977	369.120772	8.33054E-06	0.010139935

1217.239977	413.543228	9.33309E-06	0.011360616
1217.279977	450.329872	1.01633E-05	0.012371603
1217.319977	425.103932	9.594E-06	0.011678972
1217.359977	370.285547	8.35683E-06	0.010173269
1217.399977	317.33547	7.16182E-06	0.008718799
1217.439977	282.764672	6.3816E-06	0.007769221
1217.479977	250.720814	5.65842E-06	0.006889012
1217.519977	214.370775	4.83805E-06	0.005890422
1217.559977	184.06108	4.154E-06	0.005057747
1217.599977	184.503626	4.16399E-06	0.005070074
1217.639977	217.439833	4.90731E-06	0.005975342
1217.679977	227.84671	5.14218E-06	0.006261533
1217.719977	211.624553	4.77607E-06	0.005815918
1217.759977	212.906984	4.80501E-06	0.005851354
1217.799977	205.882228	4.64648E-06	0.005658477
1217.839977	201.971209	4.55821E-06	0.005551169
1217.879977	208.947384	4.71565E-06	0.005743097
1217.919977	223.956505	5.05439E-06	0.006155838
1217.959977	213.219246	4.81206E-06	0.005860898
1217.999977	195.03649	4.4017E-06	0.005361273
1218.039977	191.908851	4.33112E-06	0.005275472
1218.079977	225.799266	5.09597E-06	0.006207305
1218.119977	263.009814	5.93577E-06	0.007230474
1218.159977	291.921171	6.58825E-06	0.008025548
1218.199977	328.419044	7.41196E-06	0.00902925
1218.239977	372.484636	8.40646E-06	0.010241085
1218.279977	383.087828	8.64576E-06	0.010532955
1218.319977	366.105835	8.2625E-06	0.010066367
1218.359977	318.811723	7.19514E-06	0.008766266
1218.399977	272.274737	6.14486E-06	0.007486899
1218.439977	246.317416	5.55904E-06	0.006773358
1218.479977	220.958669	4.98673E-06	0.00607623
1218.519977	201.70571	4.55222E-06	0.005546967
1218.559977	178.325554	4.02456E-06	0.004904167
1218.599977	168.229936	3.79672E-06	0.004626677
1218.639977	173.554786	3.91689E-06	0.004773278
1218.679977	197.967509	4.46785E-06	0.00544488
1218.719977	215.817193	4.87069E-06	0.005936011
1218.759977	235.711042	5.31967E-06	0.006483401
1218.799977	241.365688	5.44729E-06	0.006639154
1218.839977	225.551228	5.09038E-06	0.006204355
1218.879977	219.592162	4.95589E-06	0.006040634
1218.919977	221.034381	4.98844E-06	0.006080507
1218.959977	234.220633	5.28603E-06	0.006443463
1218.999977	243.322615	5.49145E-06	0.00669408
1219.039977	277.468903	6.26209E-06	0.007633734

1219.079977	316.617091	7.14561E-06	0.008711066
1219.119977	351.603863	7.93521E-06	0.009673972
1219.159977	380.043384	8.57705E-06	0.010456796
1219.199977	384.665107	8.68136E-06	0.010584309
1219.239977	403.756743	9.11223E-06	0.011109992
1219.279977	431.491936	9.73817E-06	0.011873558
1219.319977	395.546167	8.92693E-06	0.010884779
1219.359977	367.907411	8.30316E-06	0.010124538
1219.399977	341.208037	7.70059E-06	0.009390099
1219.439977	295.134489	6.66077E-06	0.008122414
1219.479977	247.880457	5.59432E-06	0.006822157
1219.519977	221.335409	4.99523E-06	0.006091785
1219.559977	199.452448	4.50136E-06	0.005489683
1219.599977	193.584196	4.36893E-06	0.005328342
1219.639977	186.853124	4.21701E-06	0.00514324
1219.679977	203.260041	4.5873E-06	0.005595033
1219.719977	210.439235	4.74932E-06	0.005792841
1219.759977	217.208127	4.90208E-06	0.005979367
1219.799977	225.632084	5.0922E-06	0.006211468
1219.839977	225.502248	5.08927E-06	0.006208097
1219.879977	234.72102	5.29733E-06	0.006462103
1219.919977	246.607798	5.56559E-06	0.00678958
1219.959977	247.762984	5.59167E-06	0.006821608
1219.999977	242.325643	5.46895E-06	0.006672122
1220.039977	253.051498	5.71102E-06	0.006967673
1220.079977	260.598803	5.88135E-06	0.00717572
1220.119977	284.10871	6.41194E-06	0.007823333
1220.159977	323.255936	7.29544E-06	0.008901599
1220.199977	353.591253	7.98006E-06	0.009737272
1220.239977	366.077661	8.26186E-06	0.010081455
1220.279977	345.650887	7.80086E-06	0.009519232
1220.319977	310.582483	7.00941E-06	0.008553728
1220.359977	294.306537	6.64209E-06	0.008105739
1220.399977	282.603195	6.37796E-06	0.007783663
1220.439977	264.514781	5.96973E-06	0.007285697
1220.479977	232.843716	5.25496E-06	0.006413571
1220.519977	233.482192	5.26937E-06	0.006431369
1220.559977	231.774051	5.23082E-06	0.006384526
1220.599977	214.956385	4.85127E-06	0.005921455
1220.639977	200.039633	4.51462E-06	0.005510721
1220.679977	201.605918	4.54996E-06	0.005554051
1220.719977	215.180704	4.85633E-06	0.005928218
1220.759977	212.538467	4.7967E-06	0.005855616
1220.799977	234.166567	5.28481E-06	0.0064517
1220.839977	250.723078	5.65847E-06	0.006908087
1220.879977	240.053352	5.41767E-06	0.006614325

1220.919977	232.972258	5.25786E-06	0.006419426
1220.959977	240.95773	5.43808E-06	0.006639678
1220.999977	228.71262	5.16173E-06	0.006302466
1221.039977	253.76133	5.72704E-06	0.006992944
1221.079977	311.105086	7.02121E-06	0.008573457
1221.119977	340.163795	7.67702E-06	0.009374566
1221.159977	372.566009	8.4083E-06	0.010267874
1221.199977	410.80414	9.27128E-06	0.011322084
1221.239977	420.394786	9.48772E-06	0.011586789
1221.279977	432.921004	9.77042E-06	0.011932423
1221.319977	427.493602	9.64794E-06	0.011783216
1221.359977	371.982201	8.39512E-06	0.010253464
1221.399977	306.299179	6.91275E-06	0.008443228
1221.439977	257.395994	5.80907E-06	0.007095429
1221.479977	220.295527	4.97176E-06	0.006072909
1221.519977	204.185259	4.60818E-06	0.00562898
1221.559977	195.60473	4.41453E-06	0.005392609
1221.599977	194.020385	4.37877E-06	0.005349105
1221.639977	195.891621	4.421E-06	0.005400872
1221.679977	204.905367	4.62443E-06	0.005649572
1221.719977	210.316292	4.74655E-06	0.00579895
1221.759977	217.003123	4.89746E-06	0.005983518
1221.799977	220.502802	4.97644E-06	0.006080216
1221.839977	210.258197	4.74523E-06	0.005797917
1221.879977	203.733743	4.59799E-06	0.005618188
1221.919977	199.163979	4.49485E-06	0.005492351
1221.959977	190.649866	4.3027E-06	0.00525773
1221.999977	210.200057	4.74392E-06	0.005797073
1222.039977	224.963621	5.07712E-06	0.006204438
1222.079977	250.685886	5.65763E-06	0.006914078
1222.119977	285.959999	6.45372E-06	0.007887219
1222.159977	299.073157	6.74966E-06	0.00824917
1222.199977	324.533621	7.32427E-06	0.008951725
1222.239977	372.409747	8.40477E-06	0.010272645
1222.279977	396.399329	8.94618E-06	0.010934738
1222.319977	363.644237	8.20694E-06	0.010031511
1222.359977	321.731983	7.26104E-06	0.008875608
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1222.439977	282.453206	6.37458E-06	0.007792536
1222.479977	264.19402	5.96249E-06	0.007289026
1222.519977	242.735116	5.47819E-06	0.006697201
1222.559977	209.420803	4.72634E-06	0.005778229
1222.599977	208.679904	4.70961E-06	0.005757975
1222.639977	209.559397	4.72946E-06	0.005782431
1222.679977	212.620517	4.79855E-06	0.00586709
1222.719977	229.018828	5.16864E-06	0.006319794

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1222.799977	220.202846	4.96967E-06	0.006076914
1222.839977	205.610034	4.64033E-06	0.005674384
1222.879977	217.185869	4.90158E-06	0.005994047
1222.919977	237.231029	5.35397E-06	0.006547482
1222.959977	247.502462	5.58579E-06	0.006831193
1222.999977	265.676104	5.99594E-06	0.007333034
1223.039977	300.275485	6.7768E-06	0.008288297
1223.079977	337.410849	7.61489E-06	0.009313623
1223.119977	356.968547	8.05628E-06	0.009853801
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1223.239977	413.270939	9.32695E-06	0.011409097
1223.279977	450.779658	1.01735E-05	0.012445001
1223.319977	408.018534	9.20841E-06	0.011264832
1223.359977	351.541059	7.93379E-06	0.009705884
1223.399977	301.87485	6.81289E-06	0.008334895
1223.439977	258.090784	5.82475E-06	0.007126231
1223.479977	231.940031	5.23456E-06	0.006404384
1223.519977	220.578735	4.97815E-06	0.006090872
1223.559977	209.9697	4.73872E-06	0.005798113
1223.599977	205.891322	4.64668E-06	0.005685678
1223.639977	209.032509	4.71757E-06	0.00577261
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1223.759977	222.890365	5.03033E-06	0.006155911
1223.799977	240.611045	5.43026E-06	0.006645547
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1223.879977	249.795705	5.63754E-06	0.006899674
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1223.959977	227.307285	5.13001E-06	0.006278925
1223.999977	212.211534	4.78932E-06	0.005862126
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1224.079977	270.793476	6.11143E-06	0.007480881
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1224.199977	323.763092	7.30688E-06	0.008945085
1224.239977	326.551498	7.36981E-06	0.009022419
1224.279977	317.026526	7.15485E-06	0.008759536
1224.319977	313.648305	7.07861E-06	0.008666478
1224.359977	296.101501	6.6826E-06	0.008181906
1224.399977	266.769731	6.02062E-06	0.007371649
1224.439977	259.152068	5.8487E-06	0.007161384
1224.479977	242.834291	5.48043E-06	0.006710679
1224.519977	214.447252	4.83978E-06	0.005926402
1224.559977	209.837027	4.73573E-06	0.005799185

1224.599977	210.591787	4.75276E-06	0.005820234
1224.639977	231.036375	5.21417E-06	0.00638548
1224.679977	259.977224	5.86732E-06	0.007185594
1224.719977	250.557508	5.65473E-06	0.006925466
1224.759977	256.028964	5.77822E-06	0.007076929
1224.799977	272.707415	6.15463E-06	0.007538186
1224.839977	272.550156	6.15108E-06	0.007534085
1224.879977	260.859506	5.88724E-06	0.007211157
1224.919977	246.847404	5.571E-06	0.006824032
1224.959977	239.353475	5.40187E-06	0.00661708
1224.999977	240.997272	5.43897E-06	0.006662741
1225.039977	261.928614	5.91136E-06	0.007241657
1225.079977	311.987511	7.04112E-06	0.008625939
1225.119977	355.382475	8.02049E-06	0.009826059
1225.159977	383.412627	8.65309E-06	0.010601418
1225.199977	406.030497	9.16354E-06	0.011227172
1225.239977	453.223585	1.02286E-05	0.01253252
1225.279977	501.729124	1.13233E-05	0.013874246
1225.319977	512.86652	1.15747E-05	0.01418269
1225.359977	466.985077	1.05392E-05	0.012914317
1225.399977	390.139093	8.8049E-06	0.010789519
1225.439977	293.45253	6.62281E-06	0.008115862
1225.479977	230.860397	5.2102E-06	0.006384993
1225.519977	218.305356	4.92685E-06	0.00603795
1225.559977	223.621574	5.04683E-06	0.00618519
1225.599977	220.160408	4.96871E-06	0.006089655
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1225.879977	392.678917	8.86222E-06	0.010864013
1225.919977	363.941861	8.21366E-06	0.010069291
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1226.039977	240.446727	5.42655E-06	0.006653164
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1226.119977	258.841851	5.8417E-06	0.007162625
1226.159977	300.645278	6.78515E-06	0.008319673
1226.199977	344.459836	7.77398E-06	0.009532453
1226.239977	406.152878	9.1663E-06	0.011240089
1226.279977	440.591949	9.94355E-06	0.012193572
1226.319977	430.65604	9.71931E-06	0.01191898
1226.359977	434.93428	9.81586E-06	0.012037779
1226.399977	394.627278	8.90619E-06	0.010922549

1226.439977	308.841747	6.97013E-06	0.008548444
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1226.519977	230.35014	5.19868E-06	0.006376287
1226.559977	203.246318	4.58699E-06	0.005626214
1226.599977	183.375231	4.13852E-06	0.005076313
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1226.679977	235.811843	5.32194E-06	0.006528323
1226.719977	277.790521	6.26935E-06	0.007690731
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1226.799977	316.238199	7.13706E-06	0.00875574
1226.839977	299.836663	6.7669E-06	0.008301898
1226.879977	261.679713	5.90575E-06	0.007245642
1226.919977	263.220132	5.94051E-06	0.007288533
1226.959977	257.392823	5.809E-06	0.007127407
1226.999977	249.838608	5.63851E-06	0.006918451
1227.039977	288.010772	6.5E-06	0.007975762
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1227.159977	306.436678	6.91585E-06	0.008486853
1227.199977	342.301439	7.72527E-06	0.009480447
1227.239977	378.762749	8.54815E-06	0.010490629
1227.279977	402.492884	9.0837E-06	0.011148248
1227.319977	370.44701	8.36047E-06	0.010260976
1227.359977	305.763858	6.90066E-06	0.008469599
1227.399977	281.124844	6.3446E-06	0.007787357
1227.439977	263.519302	5.94726E-06	0.007299909
1227.479977	242.880477	5.48147E-06	0.0067284
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1227.599977	212.949293	4.80597E-06	0.005899807
1227.639977	224.117436	5.05802E-06	0.006209426
1227.679977	222.29352	5.01686E-06	0.006159093
1227.719977	219.43309	4.9523E-06	0.006080037
1227.759977	223.875043	5.05255E-06	0.006203316
1227.799977	225.024365	5.07849E-06	0.006235366
1227.839977	226.586998	5.11375E-06	0.00627887
1227.879977	220.214011	4.96992E-06	0.00610247
1227.919977	206.195915	4.65355E-06	0.005714193
1227.959977	237.450018	5.35892E-06	0.006580535
1227.999977	252.731406	5.7038E-06	0.007004261
1228.039977	252.905634	5.70773E-06	0.007009318
1228.079977	266.276216	6.00948E-06	0.007380126
1228.119977	270.973222	6.11549E-06	0.007510553
1228.159977	273.826119	6.17987E-06	0.007589874
1228.199977	237.089611	5.35078E-06	0.006571831
1228.239977	245.678573	5.54462E-06	0.006810128

1228.279977	300.669617	6.78569E-06	0.008334733
1228.319977	327.746641	7.39679E-06	0.009085619
1228.359977	336.548277	7.59543E-06	0.009329917
1228.399977	322.46787	7.27765E-06	0.008939866
1228.439977	284.794591	6.42742E-06	0.007895696
1228.479977	258.56108	5.83536E-06	0.007168627
1228.519977	225.738082	5.09459E-06	0.006258811
1228.559977	210.551909	4.75186E-06	0.005837949
1228.599977	220.836109	4.98396E-06	0.006123297
1228.639977	268.756849	6.06547E-06	0.007452276
1228.679977	299.969836	6.7699E-06	0.008318042
1228.719977	307.303377	6.93541E-06	0.008521676
1228.759977	285.219475	6.43701E-06	0.007909536
1228.799977	262.399139	5.92198E-06	0.007276933
1228.839977	258.166816	5.82647E-06	0.007159794
1228.879977	250.853018	5.6614E-06	0.006957185
1228.919977	246.721792	5.56817E-06	0.006842832
1228.959977	249.170383	5.62343E-06	0.006910969
1228.999977	245.002452	5.52936E-06	0.006795588
1229.039977	246.509418	5.56337E-06	0.006837609
1229.079977	286.031393	6.45533E-06	0.007934117
1229.119977	330.148185	7.45098E-06	0.009158154
1229.159977	361.404489	8.1564E-06	0.010025515
1229.199977	410.744077	9.26992E-06	0.011394588
1229.239977	411.890503	9.29579E-06	0.011426763
1229.279977	381.444637	8.60867E-06	0.010582471
1229.319977	348.665483	7.86889E-06	0.009673389
1229.359977	305.587482	6.89668E-06	0.008478507
1229.399977	279.043143	6.29762E-06	0.007742288
1229.439977	268.810972	6.06669E-06	0.00745863
1229.479977	258.928917	5.84366E-06	0.007184669
1229.519977	221.267621	4.9937E-06	0.006139856
1229.559977	172.37938	3.89036E-06	0.004783434
1229.599977	176.040091	3.97298E-06	0.004885176
1229.639977	198.29474	4.47524E-06	0.005502929
1229.679977	218.867754	4.93954E-06	0.006074054
1229.719977	213.782304	4.82477E-06	0.005933115
1229.759977	206.398404	4.65812E-06	0.005728375
1229.799977	223.748852	5.0497E-06	0.006210121
1229.839977	226.624582	5.1146E-06	0.006290141
1229.879977	208.895425	4.71448E-06	0.005798243
1229.919977	202.183183	4.56299E-06	0.005612116
1229.959977	196.37005	4.4318E-06	0.005450935
1229.999977	196.452181	4.43365E-06	0.005453392
1230.039977	214.770269	4.84707E-06	0.005962085
1230.079977	232.696978	5.25165E-06	0.006459945

1230.119977	270.086104	6.09547E-06	0.007498156
1230.159977	299.473611	6.7587E-06	0.008314285
1230.199977	329.185276	7.42925E-06	0.009139467
1230.239977	365.093504	8.23965E-06	0.010136749
1230.279977	368.405554	8.3144E-06	0.01022904
1230.319977	321.133113	7.24753E-06	0.008916777
1230.359977	321.231211	7.24974E-06	0.008919791
1230.399977	339.749637	7.66768E-06	0.009434308
1230.439977	314.506292	7.09797E-06	0.008733625
1230.479977	249.563547	5.6323E-06	0.006930434
1230.519977	185.946	4.19654E-06	0.005163929
1230.559977	160.825742	3.62961E-06	0.004466456
1230.599977	164.208046	3.70595E-06	0.004560538
1230.639977	184.128642	4.15553E-06	0.005113958
1230.679977	223.232853	5.03805E-06	0.006200233
1230.719977	241.350516	5.44694E-06	0.006703664
1230.759977	241.509173	5.45053E-06	0.006708289
1230.799977	250.805026	5.66032E-06	0.006966722
1230.839977	267.1582	6.02939E-06	0.007421212
1230.879977	274.456295	6.1941E-06	0.007624189
1230.919977	272.191459	6.14298E-06	0.007561519
1230.959977	258.744482	5.8395E-06	0.007188194
1230.999977	247.232363	5.57969E-06	0.006868598
1231.039977	258.940602	5.84393E-06	0.00719411
1231.079977	278.402453	6.28316E-06	0.007735067
1231.119977	309.203652	6.9783E-06	0.008591119
1231.159977	343.854603	7.76032E-06	0.009554195
1231.199977	351.626578	7.93572E-06	0.009770461
1231.239977	339.246844	7.65633E-06	0.009426778
1231.279977	347.724717	7.84766E-06	0.00966267
1231.319977	339.256702	7.65655E-06	0.009427664
1231.359977	291.196986	6.57191E-06	0.008092387
1231.399977	248.021538	5.5975E-06	0.006892762
1231.439977	233.323265	5.26578E-06	0.006484493
1231.479977	225.582818	5.09109E-06	0.006269575
1231.519977	210.862096	4.75886E-06	0.005860636
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1231.599977	192.581632	4.3463E-06	0.005352902
1231.639977	203.715526	4.59758E-06	0.005662558
1231.679977	210.671054	4.75455E-06	0.005856087
1231.719977	202.455274	4.56913E-06	0.005627893
1231.759977	193.805732	4.37393E-06	0.005387626
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1231.839977	243.371381	5.49255E-06	0.006765946
1231.879977	235.770416	5.32101E-06	0.006554846
1231.919977	225.751045	5.09489E-06	0.006276493

1231.959977	229.769067	5.18557E-06	0.006388412
1231.999977	246.138026	5.55499E-06	0.006843751
1232.039977	236.656767	5.34101E-06	0.006580342
1232.079977	227.563459	5.13579E-06	0.006327704
1232.119977	245.598807	5.54282E-06	0.006829423
1232.159977	265.982184	6.00285E-06	0.007396468
1232.199977	288.552069	6.51222E-06	0.008024355
1232.239977	299.418492	6.75746E-06	0.00832681
1232.279977	289.000315	6.52233E-06	0.008037342
1232.319977	293.924914	6.63348E-06	0.008174565
1232.359977	297.421162	6.71238E-06	0.00827207
1232.399977	279.880309	6.31651E-06	0.007784465
1232.439977	263.874471	5.95528E-06	0.007339524
1232.479977	227.120448	5.12579E-06	0.006317436
1232.519977	200.786626	4.53147E-06	0.005585133
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1232.599977	203.188504	4.58568E-06	0.005652311
1232.639977	213.69896	4.82289E-06	0.005944884
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1232.759977	239.896054	5.41412E-06	0.00667431
1232.799977	245.293288	5.53593E-06	0.006824692
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1232.879977	232.748798	5.25282E-06	0.006476092
1232.919977	237.088062	5.35075E-06	0.006597043
1232.959977	240.129637	5.41939E-06	0.006681893
1232.999977	243.603986	5.4978E-06	0.006778791
1233.039977	250.192533	5.6465E-06	0.006962357
1233.079977	261.550877	5.90284E-06	0.007278673
1233.119977	302.365918	6.82398E-06	0.008414783
1233.159977	358.136583	8.08264E-06	0.009967193
1233.199977	393.203138	8.87405E-06	0.010943475
1233.239977	378.931536	8.55196E-06	0.010546615
1233.279977	358.396551	8.08851E-06	0.009975399
1233.319977	360.887111	8.14472E-06	0.010045045
1233.359977	342.982406	7.74064E-06	0.00954699
1233.399977	297.834361	6.72171E-06	0.008290553
1233.439977	253.165693	5.7136E-06	0.007047379
1233.479977	251.020876	5.66519E-06	0.0069879
1233.519977	237.95297	5.37027E-06	0.006624332
1233.559977	191.445615	4.32066E-06	0.005329794
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1233.639977	199.283722	4.49756E-06	0.005548365
1233.679977	215.249564	4.85788E-06	0.005993073
1233.719977	212.638144	4.79895E-06	0.005920556
1233.759977	208.180696	4.69835E-06	0.005796634

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1233.879977	211.574218	4.77494E-06	0.005891697
1233.919977	228.730816	5.16214E-06	0.006369663
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1234.279977	380.825261	8.5947E-06	0.010608261
1234.319977	385.497371	8.70014E-06	0.010738755
1234.359977	355.373654	8.02029E-06	0.009899923
1234.399977	293.9361	6.63373E-06	0.008188674
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1234.639977	211.604679	4.77562E-06	0.005896175
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1234.879977	242.88689	5.48162E-06	0.006769141
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1235.119977	319.057002	7.20067E-06	0.008893694
1235.159977	321.811946	7.26285E-06	0.008970778
1235.199977	344.832945	7.7824E-06	0.009612819
1235.239977	385.670896	8.70405E-06	0.010751597
1235.279977	396.613739	8.95102E-06	0.011057015
1235.319977	368.85389	8.32452E-06	0.010283444
1235.359977	341.892128	7.71603E-06	0.009532074
1235.399977	314.078639	7.08832E-06	0.008756907
1235.439977	270.720664	6.10979E-06	0.007548277
1235.479977	220.873606	4.98481E-06	0.006158632
1235.519977	203.949093	4.60285E-06	0.005686909
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1235.879977	222.902542	5.0306E-06	0.006217218
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1236.319977	370.198164	8.35486E-06	0.010329277
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1237.079977	294.434163	6.64497E-06	0.008220358
1237.119977	319.951467	7.22086E-06	0.008933069
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1237.359977	341.258947	7.70174E-06	0.009529824
1237.399977	269.065063	6.07242E-06	0.007514017
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1237.879977	227.459176	5.13344E-06	0.006354579
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1238.079977	227.547219	5.13542E-06	0.006358065
1238.119977	270.543537	6.10579E-06	0.007559702
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1238.319977	375.751049	8.48018E-06	0.010501174
1238.359977	350.219179	7.90396E-06	0.009787947
1238.399977	319.982147	7.22155E-06	0.008943169
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1238.879977	219.061839	4.94392E-06	0.006124924
1238.919977	216.187944	4.87906E-06	0.006044766
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1238.999977	234.560096	5.29369E-06	0.006558888
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1239.079977	302.499217	6.82699E-06	0.008459182
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1239.159977	348.527215	7.86577E-06	0.009746952
1239.199977	370.010578	8.35062E-06	0.010348092
1239.239977	376.882968	8.50572E-06	0.010540633
1239.279977	370.09607	8.35255E-06	0.010351151

1239.319977	346.401872	7.81781E-06	0.009688765
1239.359977	328.342073	7.41022E-06	0.009183934
1239.399977	309.403817	6.98281E-06	0.008654499
1239.439977	275.432943	6.21614E-06	0.00770453
1239.479977	265.96483	6.00246E-06	0.007439924
1239.519977	267.207649	6.0305E-06	0.007474931
1239.559977	229.447902	5.17832E-06	0.006418838
1239.599977	204.107399	4.60642E-06	0.005710118
1239.639977	207.348705	4.67957E-06	0.005800984
1239.679977	199.265209	4.49714E-06	0.005575012
1239.719977	198.465807	4.4791E-06	0.005552826
1239.759977	220.336426	4.97269E-06	0.006164937
1239.799977	210.460855	4.74981E-06	0.005888812
1239.839977	206.722667	4.66544E-06	0.005784402
1239.879977	210.855387	4.75871E-06	0.005900232
1239.919977	208.982934	4.71645E-06	0.005848025
1239.959977	219.452546	4.95274E-06	0.006141197
1239.999977	214.803614	4.84782E-06	0.006011295
1240.039977	216.447732	4.88492E-06	0.006057501
1240.079977	219.69729	4.95826E-06	0.006148641
1240.119977	234.726776	5.29746E-06	0.006569481
1240.159977	294.388119	6.64393E-06	0.008239536
1240.199977	333.894578	7.53554E-06	0.009345571
1240.239977	340.690661	7.68891E-06	0.009536098
1240.279977	330.516605	7.4593E-06	0.00925162
1240.319977	310.032604	6.997E-06	0.008678524
1240.359977	304.010429	6.86109E-06	0.008510224
1240.399977	277.94742	6.27289E-06	0.007780888
1240.439977	249.194458	5.62397E-06	0.006976199
1240.479977	217.731709	4.9139E-06	0.006095596
1240.519977	179.286113	4.04624E-06	0.005019439
1240.559977	151.166148	3.41161E-06	0.004232306
1240.599977	153.711477	3.46905E-06	0.004303708
1240.639977	193.81749	4.37419E-06	0.005426796
1240.679977	217.855368	4.91669E-06	0.006100042
1240.719977	239.885542	5.41388E-06	0.006717112
1240.759977	268.85142	6.0676E-06	0.007528438
1240.799977	280.504546	6.3306E-06	0.007855004
1240.839977	262.236861	5.91832E-06	0.007343689
1240.879977	230.335672	5.19836E-06	0.006450535
1240.919977	204.992695	4.6264E-06	0.005740992
1240.959977	218.20775	4.92464E-06	0.006111287
1240.999977	244.244135	5.51225E-06	0.006840702
1241.039977	263.58615	5.94877E-06	0.007382664
1241.079977	272.989005	6.16098E-06	0.007646271
1241.119977	275.877188	6.22616E-06	0.007727416

1241.159977	273.364004	6.16944E-06	0.007657268
1241.199977	296.056724	6.68159E-06	0.008293187
1241.239977	318.202386	7.18138E-06	0.008913822
1241.279977	329.926666	7.44599E-06	0.009242552
1241.319977	337.361161	7.61377E-06	0.009451127
1241.359977	308.972684	6.97308E-06	0.008656106
1241.399977	288.305543	6.50665E-06	0.008077361
1241.439977	276.894505	6.24912E-06	0.007757911
1241.479977	257.751822	5.8171E-06	0.007221813
1241.519977	224.691381	5.07097E-06	0.006295712
1241.559977	185.31035	4.1822E-06	0.005192448
1241.599977	164.842548	3.72027E-06	0.004619083
1241.639977	173.677045	3.91965E-06	0.004866793
1241.679977	184.300617	4.15941E-06	0.005164654
1241.719977	188.126434	4.24575E-06	0.005272035
1241.759977	201.969607	4.55817E-06	0.005660156
1241.799977	197.211278	4.45078E-06	0.005526983
1241.839977	175.958151	3.97113E-06	0.004931508
1241.879977	157.278855	3.54956E-06	0.004408133
1241.919977	145.719145	3.28868E-06	0.004084275
1241.959977	163.033464	3.67944E-06	0.004569715
1241.999977	186.19725	4.20221E-06	0.005219148
1242.039977	212.466866	4.79508E-06	0.005955683
1242.079977	234.935637	5.30217E-06	0.006585719
1242.119977	260.54707	5.88018E-06	0.007303895
1242.159977	301.654735	6.80793E-06	0.008456535
1242.199977	312.702942	7.05727E-06	0.00876654
1242.239977	305.503863	6.8948E-06	0.008564992
1242.279977	325.028195	7.33543E-06	0.009112662
1242.319977	341.762577	7.71311E-06	0.009582145
1242.359977	325.165209	7.33853E-06	0.009117091
1242.399977	298.469067	6.73603E-06	0.008368845
1242.439977	253.374362	5.71831E-06	0.007104653
1242.479977	209.483003	4.72774E-06	0.005874122
1242.519977	195.292609	4.40748E-06	0.005476385
1242.559977	187.699159	4.23611E-06	0.005263619
1242.599977	199.851807	4.51038E-06	0.005604594
1242.639977	204.225491	4.60908E-06	0.005727433
1242.679977	199.336112	4.49874E-06	0.005590492
1242.719977	216.694092	4.89048E-06	0.006077502
1242.759977	237.04332	5.34974E-06	0.00664844
1242.799977	225.763995	5.09518E-06	0.006332288
1242.839977	210.365395	4.74765E-06	0.005900574
1242.879977	212.647765	4.79916E-06	0.005964785
1242.919977	234.617216	5.29498E-06	0.006581241
1242.959977	231.354368	5.22135E-06	0.006489924

1242.999977	228.055316	5.14689E-06	0.006397585
1243.039977	256.423663	5.78712E-06	0.007193628
1243.079977	286.752254	6.4716E-06	0.008044715
1243.119977	302.93968	6.83693E-06	0.00849912
1243.159977	322.839368	7.28603E-06	0.009057707
1243.199977	342.080626	7.72028E-06	0.009597856
1243.239977	363.877879	8.21222E-06	0.010209756
1243.279977	372.229931	8.40071E-06	0.010444436
1243.319977	348.57028	7.86675E-06	0.009780882
1243.359977	306.756373	6.92306E-06	0.008607861
1243.399977	253.035982	5.71067E-06	0.007100647
1243.439977	211.326571	4.76935E-06	0.005930396
1243.479977	201.739106	4.55297E-06	0.005661528
1243.519977	196.534711	4.43551E-06	0.005515651
1243.559977	204.122029	4.60675E-06	0.00572877
1243.599977	191.625508	4.32472E-06	0.005378223
1243.639977	180.140382	4.06552E-06	0.00505604
1243.679977	173.892903	3.92452E-06	0.004880848
1243.719977	197.332474	4.45352E-06	0.005538931
1243.759977	208.265258	4.70026E-06	0.005845991
1243.799977	211.6728	4.77716E-06	0.005941832
1243.839977	217.228283	4.90254E-06	0.006097975
1243.879977	210.174494	4.74335E-06	0.005900153
1243.919977	196.592702	4.43682E-06	0.005519053
1243.959977	206.119672	4.65183E-06	0.005786695
1243.999977	247.626577	5.58859E-06	0.006952202
1244.039977	253.195374	5.71427E-06	0.007108776
1244.079977	240.687508	5.43198E-06	0.00675782
1244.119977	263.901934	5.9559E-06	0.007409853
1244.159977	313.953012	7.08548E-06	0.008815473
1244.199977	345.374502	7.79462E-06	0.009698068
1244.239977	338.18533	7.63237E-06	0.009496502
1244.279977	332.819029	7.51126E-06	0.009346113
1244.319977	325.124808	7.33761E-06	0.00913034
1244.359977	315.152651	7.11256E-06	0.00885058
1244.399977	312.790811	7.05925E-06	0.008784534
1244.439977	272.861506	6.1581E-06	0.007663391
1244.479977	231.257306	5.21916E-06	0.006495134
1244.519977	197.221183	4.45101E-06	0.005539368
1244.559977	181.122307	4.08768E-06	0.005087361
1244.599977	194.373107	4.38673E-06	0.005459724
1244.639977	210.920126	4.76017E-06	0.005924702
1244.679977	209.609412	4.73059E-06	0.005888074
1244.719977	209.318473	4.72403E-06	0.00588009
1244.759977	243.161421	5.48781E-06	0.006831012
1244.799977	275.141957	6.20957E-06	0.007729673

1244.839977	270.683331	6.10895E-06	0.00760466
1244.879977	257.421325	5.80964E-06	0.007232305
1244.919977	215.347142	4.86009E-06	0.006050417
1244.959977	178.5109	4.02874E-06	0.005015623
1244.999977	213.466411	4.81764E-06	0.005997961
1245.039977	256.120814	5.78029E-06	0.007196692
1245.079977	269.060963	6.07233E-06	0.007560538
1245.119977	289.029525	6.52299E-06	0.00812191
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1245.199977	361.079365	8.14906E-06	0.010147207
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1245.279977	378.697131	8.54667E-06	0.010642993
1245.319977	341.729776	7.71237E-06	0.009604362
1245.359977	310.677295	7.01155E-06	0.008731908
1245.399977	286.867711	6.4742E-06	0.008062974
1245.439977	289.010617	6.52257E-06	0.008123466
1245.479977	268.719487	6.06462E-06	0.007553368
1245.519977	220.003418	4.96517E-06	0.006184219
1245.559977	204.832343	4.62278E-06	0.005757951
1245.599977	217.698849	4.91316E-06	0.006119832
1245.639977	224.538697	5.06753E-06	0.006312313
1245.679977	223.694399	5.04847E-06	0.006288779
1245.719977	232.855896	5.25523E-06	0.006546549
1245.759977	228.587658	5.15891E-06	0.006426757
1245.799977	223.100272	5.03506E-06	0.006272681
1245.839977	226.467525	5.11106E-06	0.006367559
1245.879977	227.738625	5.13974E-06	0.006403504
1245.919977	212.615108	4.79843E-06	0.005978456
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1246.039977	217.075598	4.89909E-06	0.006104467
1246.079977	222.884322	5.03019E-06	0.006268017
1246.119977	237.407535	5.35796E-06	0.006676658
1246.159977	265.485054	5.99163E-06	0.007466527
1246.199977	303.229031	6.84346E-06	0.008528316
1246.239977	324.702264	7.32808E-06	0.009132544
1246.279977	314.24087	7.09198E-06	0.008838591
1246.319977	323.679383	7.30499E-06	0.009104358
1246.359977	323.875622	7.30942E-06	0.009110171
1246.399977	285.554515	6.44457E-06	0.008032509
1246.439977	248.191929	5.60135E-06	0.006981742
1246.479977	216.182264	4.87893E-06	0.006081492
1246.519977	197.469107	4.4566E-06	0.005555244
1246.559977	212.614664	4.79842E-06	0.005981514
1246.599977	224.494057	5.06652E-06	0.006315921
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1246.719977	190.548081	4.3004E-06	0.005361401
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1246.799977	238.220912	5.37631E-06	0.006703188
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1247.279977	358.763042	8.09678E-06	0.010098954
1247.319977	331.724436	7.48656E-06	0.009338134
1247.359977	319.009042	7.19959E-06	0.00898048
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1247.479977	253.519362	5.72158E-06	0.007137555
1247.519977	211.436655	4.77183E-06	0.005952954
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1247.639977	187.692357	4.23596E-06	0.005284947
1247.679977	218.66481	4.93496E-06	0.006157251
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1247.879977	230.747391	5.20765E-06	0.006498519
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1247.999977	234.270278	5.28715E-06	0.006598368
1248.039977	242.349484	5.46949E-06	0.006826143
1248.079977	256.870553	5.79721E-06	0.007235382
1248.119977	265.840207	5.99964E-06	0.007488275
1248.159977	301.134201	6.79618E-06	0.008482719
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1248.239977	353.56516	7.97947E-06	0.009960297
1248.279977	347.194021	7.83569E-06	0.009781129
1248.319977	357.220021	8.06196E-06	0.010063904
1248.359977	350.717747	7.91521E-06	0.009881033
1248.399977	337.218635	7.61055E-06	0.009501017
1248.439977	301.167157	6.79692E-06	0.008485551
1248.479977	263.02846	5.93619E-06	0.007411209

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1248.559977	253.628857	5.72405E-06	0.00714682
1248.599977	266.70763	6.01922E-06	0.007515598
1248.639977	297.030927	6.70357E-06	0.008370351
1248.679977	312.350664	7.04932E-06	0.008802344
1248.719977	308.15774	6.95469E-06	0.008684462
1248.759977	332.065264	7.49425E-06	0.00935852
1248.799977	348.820479	7.87239E-06	0.009831043
1248.839977	334.752607	7.5549E-06	0.009434861
1248.879977	322.89531	7.2873E-06	0.00910096
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1248.959977	332.833186	7.51158E-06	0.009381665
1248.999977	336.024161	7.5836E-06	0.009471913
1249.039977	337.942983	7.6269E-06	0.009526306
1249.079977	369.477859	8.3386E-06	0.010415579
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1249.199977	442.790545	9.99317E-06	0.012483463
1249.239977	450.89572	1.01761E-05	0.012712376
1249.279977	416.621051	9.40256E-06	0.011746426
1249.319977	409.869692	9.25019E-06	0.011556445
1249.359977	380.026299	8.57666E-06	0.010715341
1249.399977	319.556759	7.21195E-06	0.009010611
1249.439977	282.292465	6.37095E-06	0.007960117
1249.479977	241.783578	5.45672E-06	0.006818061
1249.519977	219.864853	4.96204E-06	0.006200172
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1249.719977	255.261084	5.76089E-06	0.007199496
1249.759977	257.270598	5.80624E-06	0.007256405
1249.799977	273.085196	6.16315E-06	0.007702708
1249.839977	300.147879	6.77392E-06	0.008466315
1249.879977	283.620614	6.40092E-06	0.008000385
1249.919977	265.243151	5.98617E-06	0.007482232
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1250.079977	281.121432	6.34452E-06	0.007931156
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1250.159977	312.676059	7.05666E-06	0.008821958
1250.199977	364.872606	8.23467E-06	0.01029498
1250.239977	374.156334	8.44419E-06	0.010557261
1250.279977	342.792517	7.73635E-06	0.009672603
1250.319977	314.670592	7.10168E-06	0.008879369

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1250.399977	290.197303	6.54935E-06	0.008189306
1250.439977	288.285397	6.5062E-06	0.008135612
1250.479977	260.523661	5.87966E-06	0.007352392
1250.519977	213.252858	4.81282E-06	0.006018528
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1250.799977	220.338663	4.97274E-06	0.006219899
1250.839977	230.521445	5.20255E-06	0.006507555
1250.879977	239.335618	5.40147E-06	0.006756593
1250.919977	232.762216	5.25312E-06	0.006571232
1250.959977	257.889622	5.82021E-06	0.007280849
1250.999977	272.636771	6.15303E-06	0.007697443
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1251.079977	281.809372	6.36004E-06	0.007956925
1251.119977	265.605839	5.99435E-06	0.007499656
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1251.199977	360.69313	8.14034E-06	0.010185195
1251.239977	433.636856	9.78658E-06	0.01224536
1251.279977	442.650179	9.99E-06	0.012500284
1251.319977	419.890795	9.47635E-06	0.011857947
1251.359977	364.95962	8.23663E-06	0.010306989
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1251.479976	199.6958	4.50686E-06	0.00564024
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1251.559976	185.733589	4.19175E-06	0.005246225
1251.599976	183.602688	4.14366E-06	0.005186201
1251.639976	169.418985	3.82355E-06	0.004785709
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1251.759976	192.243093	4.33866E-06	0.005430959
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1251.879976	172.151614	3.88522E-06	0.004863832
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1251.959976	187.486515	4.23131E-06	0.00529743
1251.999976	214.855156	4.84898E-06	0.006070925
1252.039976	236.06919	5.32775E-06	0.006670559
1252.079976	247.609642	5.5882E-06	0.006996879
1252.119976	251.619783	5.67871E-06	0.007110424
1252.159976	281.367672	6.35008E-06	0.007951312

1252.199976	301.449918	6.8033E-06	0.008519098
1252.239976	316.952737	7.15318E-06	0.0089575
1252.279976	338.319703	7.6354E-06	0.009561664
1252.319976	333.515251	7.52697E-06	0.009426181
1252.359976	312.364491	7.04963E-06	0.008828676
1252.399976	261.781226	5.90804E-06	0.007399226
1252.439976	222.298862	5.01698E-06	0.006283461
1252.479976	209.847186	4.73596E-06	0.005931693
1252.519976	205.603194	4.64018E-06	0.005811915
1252.559976	184.180928	4.15671E-06	0.005206525
1252.599976	187.301746	4.22714E-06	0.005294915
1252.639976	202.110379	4.56135E-06	0.005713729
1252.679976	185.785603	4.19292E-06	0.00525239
1252.719976	177.912823	4.01524E-06	0.005029977
1252.759976	208.89642	4.7145E-06	0.005906138
1252.799976	228.526036	5.15751E-06	0.006461334
1252.839976	229.050157	5.16934E-06	0.00647636
1252.879976	239.367916	5.4022E-06	0.006768309
1252.919976	242.481425	5.47247E-06	0.006856564
1252.959976	233.692063	5.2741E-06	0.006608242
1252.999976	235.41626	5.31302E-06	0.00665721
1253.039976	257.58705	5.81338E-06	0.007284399
1253.079976	274.594105	6.19721E-06	0.007765595
1253.119976	277.977447	6.27356E-06	0.007861528
1253.159976	304.5849	6.87406E-06	0.008614293
1253.199976	351.988845	7.9439E-06	0.009955293
1253.239976	391.599023	8.83784E-06	0.01107594
1253.279976	400.091496	9.02951E-06	0.011316501
1253.319976	393.432861	8.87923E-06	0.011128518
1253.359976	357.276282	8.06323E-06	0.010106127
1253.399976	295.720347	6.674E-06	0.008365187
1253.439976	257.348055	5.80799E-06	0.007279963
1253.479976	239.829671	5.41262E-06	0.006784613
1253.519976	220.391541	4.97393E-06	0.006234921
1253.559976	196.907313	4.44392E-06	0.005570725
1253.599976	205.925842	4.64746E-06	0.005826055
1253.639976	221.79179	5.00553E-06	0.006275135
1253.679976	218.670381	4.93509E-06	0.006187018
1253.719976	219.562136	4.95521E-06	0.006212448
1253.759976	229.962973	5.18994E-06	0.006506944
1253.799976	251.387691	5.67347E-06	0.007113397
1253.839976	260.992215	5.89023E-06	0.007385407
1253.879976	239.810471	5.41219E-06	0.006786235
1253.919976	216.45449	4.88508E-06	0.006125495
1253.959976	208.128384	4.69717E-06	0.00589006
1253.999976	192.665406	4.34819E-06	0.00545263

1254.039976	188.505131	4.2543E-06	0.00533506
1254.079976	213.987967	4.82941E-06	0.006056467
1254.119976	268.074403	6.05007E-06	0.007587508
1254.159976	296.927579	6.70124E-06	0.008404429
1254.199976	307.397287	6.93753E-06	0.008701048
1254.239976	330.345559	7.45544E-06	0.00935091
1254.279976	332.162753	7.49645E-06	0.009402648
1254.319976	300.561923	6.78326E-06	0.008508383
1254.359976	276.395436	6.23786E-06	0.007824522
1254.399976	265.223675	5.98573E-06	0.007508498
1254.439976	243.8304	5.50291E-06	0.006903073
1254.479976	229.819543	5.18671E-06	0.00650662
1254.519976	219.088391	4.94452E-06	0.006202999
1254.559976	204.249736	4.60963E-06	0.00578306
1254.599976	194.84789	4.39745E-06	0.005517035
1254.639976	208.041278	4.6952E-06	0.005890788
1254.679976	216.41079	4.88409E-06	0.00612797
1254.719976	204.954838	4.62555E-06	0.005803764
1254.759976	197.67831	4.46132E-06	0.005597891
1254.799976	183.690384	4.14564E-06	0.005201944
1254.839976	189.009596	4.26568E-06	0.00535275
1254.879976	212.218706	4.78948E-06	0.006010223
1254.919976	244.045713	5.50777E-06	0.006911813
1254.959976	254.580937	5.74554E-06	0.007210419
1254.999976	223.472392	5.04346E-06	0.006329543
1255.039976	218.00509	4.92007E-06	0.006174886
1255.079976	230.388665	5.19955E-06	0.006525853
1255.119976	261.424057	5.89998E-06	0.007405179
1255.159976	304.099219	6.8631E-06	0.008614283
1255.199976	333.903173	7.53573E-06	0.009458848
1255.239976	334.464757	7.5484E-06	0.009475058
1255.279976	323.879903	7.30952E-06	0.009175492
1255.319976	338.061229	7.62957E-06	0.009577553
1255.359976	325.435548	7.34463E-06	0.009220151
1255.399976	277.643052	6.26602E-06	0.007866358
1255.439976	240.879639	5.43632E-06	0.006824971
1255.479976	215.001882	4.85229E-06	0.006091957
1255.519976	187.190378	4.22463E-06	0.005304102
1255.559976	176.105268	3.97445E-06	0.004990161
1255.599976	178.253987	4.02294E-06	0.005051209
1255.639976	168.397108	3.80049E-06	0.004772045
1255.679976	180.812249	4.08068E-06	0.005124029
1255.719976	201.287451	4.54278E-06	0.005704456
1255.759976	193.921021	4.37653E-06	0.005495868
1255.799976	204.422763	4.61354E-06	0.00579368
1255.839976	221.786741	5.00542E-06	0.006286004

1255.879976	205.561736	4.63924E-06	0.005826331
1255.919976	190.310904	4.29505E-06	0.005394242
1255.959976	218.257747	4.92577E-06	0.006186574
1255.999976	254.447364	5.74252E-06	0.007212608
1256.039976	264.34192	5.96583E-06	0.00749332
1256.079976	264.815542	5.97652E-06	0.007506984
1256.119976	261.437728	5.90029E-06	0.007411466
1256.159976	280.59839	6.33271E-06	0.007954903
1256.199976	313.37711	7.07248E-06	0.008884455
1256.239976	329.001401	7.4251E-06	0.009327712
1256.279976	327.040572	7.38085E-06	0.009272414
1256.319976	298.389557	6.73424E-06	0.008460356
1256.359976	288.944868	6.52108E-06	0.008192828
1256.399976	276.796211	6.2469E-06	0.007848611
1256.439976	253.108195	5.7123E-06	0.007177161
1256.479976	244.434355	5.51654E-06	0.006931426
1256.519976	202.501849	4.57018E-06	0.005742528
1256.559976	179.07317	4.04143E-06	0.005078302
1256.599976	184.744083	4.16942E-06	0.005239289
1256.639976	186.267049	4.20379E-06	0.005282648
1256.679976	181.639753	4.09936E-06	0.005151579
1256.719976	184.20692	4.15729E-06	0.005224554
1256.759976	193.807327	4.37396E-06	0.00549702
1256.799976	195.683727	4.41631E-06	0.005550417
1256.839976	194.362278	4.38649E-06	0.005513111
1256.879976	194.791591	4.39617E-06	0.005525464
1256.919976	197.750051	4.46294E-06	0.005609562
1256.959976	210.795962	4.75737E-06	0.005979825
1256.999976	257.498003	5.81137E-06	0.007304894
1257.039976	295.709233	6.67375E-06	0.008389165
1257.079976	297.333957	6.71041E-06	0.008435526
1257.119976	303.465363	6.84879E-06	0.008609751
1257.159976	321.089252	7.24654E-06	0.009110057
1257.199976	343.36706	7.74932E-06	0.00974244
1257.239976	355.082576	8.01372E-06	0.010075168
1257.279976	351.888474	7.94163E-06	0.009984856
1257.319976	334.624484	7.55201E-06	0.009495291
1257.359976	308.683258	6.96655E-06	0.008759463
1257.399976	292.673995	6.60524E-06	0.008305434
1257.439976	282.610157	6.37812E-06	0.0080201
1257.479976	253.578757	5.72292E-06	0.007196456
1257.519976	214.556435	4.84224E-06	0.006089213
1257.559976	173.510482	3.91589E-06	0.004924466
1257.599976	139.403898	3.14615E-06	0.0039566
1257.639976	144.746737	3.26673E-06	0.004108373
1257.679976	159.445922	3.59847E-06	0.004525727

1257.719976	181.8083	4.10316E-06	0.005160626
1257.759976	203.214397	4.58627E-06	0.005768422
1257.799976	242.721363	5.47788E-06	0.006890081
1257.839976	249.55045	5.63201E-06	0.007084162
1257.879976	201.853897	4.55556E-06	0.005730349
1257.919976	169.02747	3.81471E-06	0.004798606
1257.959976	186.996896	4.22026E-06	0.005308918
1257.999976	228.861097	5.16508E-06	0.006497666
1258.039976	237.253017	5.35447E-06	0.006736137
1258.079976	223.266805	5.03882E-06	0.00633924
1258.119976	226.040316	5.10142E-06	0.006418192
1258.159976	232.595494	5.24936E-06	0.00660453
1258.199976	266.807044	6.02146E-06	0.007576205
1258.239976	315.226798	7.11423E-06	0.008951408
1258.279976	313.988068	7.08627E-06	0.008916516
1258.319976	308.030663	6.95182E-06	0.008747618
1258.359976	290.455206	6.55517E-06	0.008248763
1258.399976	249.404188	5.62871E-06	0.007083162
1258.439976	223.278304	5.03908E-06	0.00634138
1258.479976	201.962769	4.55802E-06	0.005736175
1258.519976	184.542891	4.16488E-06	0.00524158
1258.559976	171.734616	3.87581E-06	0.004877941
1258.599976	165.581348	3.73694E-06	0.004703313
1258.639976	162.972993	3.67807E-06	0.00462937
1258.679976	170.908601	3.85717E-06	0.004854941
1258.719976	187.09659	4.22251E-06	0.005314957
1258.759976	210.678144	4.75471E-06	0.005985041
1258.799976	226.530682	5.11248E-06	0.006435592
1258.839976	220.954806	4.98664E-06	0.006277385
1258.879976	223.948753	5.05421E-06	0.006362646
1258.919976	239.487899	5.40491E-06	0.006804347
1258.959976	241.589565	5.45234E-06	0.006864278
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1259.039976	239.03204	5.39462E-06	0.006792042
1259.079976	241.584997	5.45224E-06	0.006864802
1259.119976	267.171252	6.02968E-06	0.007592094
1259.159976	285.862457	6.45152E-06	0.008123493
1259.199976	331.678874	7.48553E-06	0.009425779
1259.239976	352.280923	7.95049E-06	0.010011575
1259.279976	354.824734	8.0079E-06	0.010084188
1259.319976	330.831671	7.46641E-06	0.009402599
1259.359976	300.142539	6.7738E-06	0.008530651
1259.399976	277.351356	6.25943E-06	0.007883131
1259.439976	247.668668	5.58954E-06	0.007039686
1259.479976	202.814165	4.57723E-06	0.005764934
1259.519976	176.75359	3.98908E-06	0.005024329

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1259.599976	185.739149	4.19187E-06	0.005280084
1259.639976	176.943001	3.99336E-06	0.005030192
1259.679976	188.732648	4.25943E-06	0.005365522
1259.719976	194.175856	4.38228E-06	0.005520444
1259.759976	193.042447	4.3567E-06	0.005488395
1259.799976	188.635304	4.25724E-06	0.005363266
1259.839976	183.69438	4.14573E-06	0.005222952
1259.879976	190.49976	4.29931E-06	0.00541662
1259.919976	194.272926	4.38447E-06	0.005524081
1259.959976	176.047735	3.97315E-06	0.005006013
1259.999976	183.701181	4.14588E-06	0.005223808
1260.039976	222.510237	5.02175E-06	0.006327601
1260.079976	253.981799	5.73202E-06	0.007222798
1260.119976	268.578968	6.06145E-06	0.007638158
1260.159976	279.438739	6.30654E-06	0.007947253
1260.199976	308.48848	6.96216E-06	0.008773708
1260.239976	321.016344	7.24489E-06	0.009130302
1260.279976	294.056736	6.63645E-06	0.008363786
1260.319976	259.249454	5.8509E-06	0.007374005
1260.359976	244.268518	5.5128E-06	0.006948113
1260.399976	247.251933	5.58013E-06	0.007033198
1260.439976	224.104401	5.05772E-06	0.006374958
1260.479976	192.539634	4.34535E-06	0.005477228
1260.519976	185.168607	4.179E-06	0.00526771
1260.559976	189.560279	4.27811E-06	0.005392816
1260.599976	192.17012	4.33701E-06	0.005467237
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1260.679976	203.676373	4.59669E-06	0.005794958
1260.719976	218.301481	4.92676E-06	0.006211265
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1260.919976	210.840651	4.75838E-06	0.005999936
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1260.999976	231.070227	5.21493E-06	0.006576031
1261.039976	245.303932	5.53617E-06	0.006981329
1261.079976	261.501874	5.90173E-06	0.007442557
1261.119976	284.202782	6.41406E-06	0.0080889
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1261.199976	343.408876	7.75026E-06	0.009774628
1261.239976	351.634785	7.93591E-06	0.010009084
1261.279976	335.695794	7.57619E-06	0.009555692
1261.319976	315.723143	7.12543E-06	0.008987449
1261.359976	315.160695	7.11274E-06	0.008971723

1261.399976	310.134429	6.9993E-06	0.008828919
1261.439976	262.719126	5.9292E-06	0.007479336
1261.479976	235.391476	5.31246E-06	0.006701559
1261.519976	227.053287	5.12428E-06	0.006464377
1261.559976	223.146982	5.03612E-06	0.006353363
1261.599976	222.892815	5.03038E-06	0.006346328
1261.639976	220.107259	4.96751E-06	0.006267215
1261.679976	219.980944	4.96466E-06	0.006263817
1261.719976	220.735094	4.98168E-06	0.00628549
1261.759976	224.358403	5.06346E-06	0.006388867
1261.799976	218.849244	4.93912E-06	0.006232185
1261.839976	188.923061	4.26373E-06	0.005380145
1261.879976	189.505915	4.27688E-06	0.005396915
1261.919976	189.721972	4.28176E-06	0.005403239
1261.959976	178.98328	4.0394E-06	0.005097565
1261.999976	206.754161	4.66615E-06	0.005888686
1262.039976	220.44036	4.97503E-06	0.006278689
1262.079976	230.738242	5.20744E-06	0.006572207
1262.119976	254.018113	5.73283E-06	0.007235526
1262.159976	278.768813	6.29142E-06	0.007940783
1262.199976	297.624504	6.71697E-06	0.00847816
1262.239976	323.005685	7.28979E-06	0.009201462
1262.279976	346.991029	7.8311E-06	0.009885046
1262.319976	347.774968	7.8488E-06	0.009907693
1262.359976	299.22477	6.75309E-06	0.008524826
1262.399976	243.332608	5.49168E-06	0.006932694
1262.439976	238.671355	5.38648E-06	0.006800108
1262.479976	236.978758	5.34828E-06	0.006752097
1262.519976	208.832103	4.71305E-06	0.005950319
1262.559976	189.667567	4.28053E-06	0.005404429
1262.599976	208.323677	4.70158E-06	0.005936209
1262.639976	212.178059	4.78856E-06	0.006046231
1262.679976	178.974176	4.0392E-06	0.005100214
1262.719976	175.546304	3.96184E-06	0.005002689
1262.759976	186.030404	4.19845E-06	0.005301631
1262.799976	200.016665	4.5141E-06	0.005700402
1262.839976	215.859982	4.87166E-06	0.006152126
1262.879976	210.156147	4.74293E-06	0.005989753
1262.919976	223.843648	5.05184E-06	0.006380069
1262.959976	248.048165	5.5981E-06	0.007070178
1262.999976	264.330954	5.96558E-06	0.007534529
1263.039976	276.577861	6.24198E-06	0.007883867
1263.079976	300.719242	6.78681E-06	0.008572289
1263.119976	330.0064	7.44778E-06	0.009407446
1263.159976	368.978851	8.32734E-06	0.010518761
1263.199976	420.45892	9.48917E-06	0.011986722

1263.239976	417.604097	9.42474E-06	0.011905712
1263.279976	385.350441	8.69682E-06	0.010986522
1263.319976	339.584832	7.66396E-06	0.00968203
1263.359976	299.506843	6.75945E-06	0.008539621
1263.399976	278.922542	6.29489E-06	0.007952968
1263.439976	251.914434	5.68536E-06	0.007183108
1263.479976	246.063817	5.55332E-06	0.007016506
1263.519976	223.901202	5.05314E-06	0.006384741
1263.559976	190.854824	4.30733E-06	0.005442567
1263.599976	179.425011	4.04937E-06	0.005116787
1263.639976	198.574277	4.48154E-06	0.005663059
1263.679976	212.851205	4.80376E-06	0.006070409
1263.719976	201.438371	4.54618E-06	0.005745103
1263.759976	197.146239	4.44932E-06	0.005622867
1263.799976	222.26707	5.01626E-06	0.006339547
1263.839976	244.187989	5.51098E-06	0.006965
1263.879976	235.725966	5.32001E-06	0.00672385
1263.919976	226.292973	5.10712E-06	0.006454987
1263.959976	230.666518	5.20582E-06	0.006579951
1263.999976	236.500531	5.33749E-06	0.006746584
1264.039976	227.887507	5.1431E-06	0.006501089
1264.079976	237.551555	5.36121E-06	0.006776995
1264.119976	284.468591	6.42006E-06	0.008115726
1264.159976	318.220418	7.18179E-06	0.009078933
1264.199976	351.77671	7.93911E-06	0.010036623
1264.239976	369.635872	8.34217E-06	0.010546501
1264.279976	346.034722	7.80952E-06	0.009873422
1264.319976	329.083737	7.42696E-06	0.009390056
1264.359976	324.246923	7.3178E-06	0.009252335
1264.399976	275.810974	6.22467E-06	0.007870472
1264.439976	235.001217	5.30365E-06	0.006706147
1264.479976	214.751268	4.84664E-06	0.006128475
1264.519976	196.917075	4.44414E-06	0.005619709
1264.559976	186.281856	4.20412E-06	0.005316364
1264.599976	186.172576	4.20166E-06	0.005313414
1264.639976	197.644049	4.46055E-06	0.005640991
1264.679976	216.948907	4.89623E-06	0.00619217
1264.719976	220.490319	4.97616E-06	0.006293448
1264.759976	211.845284	4.78105E-06	0.006046884
1264.799976	233.120429	5.2612E-06	0.00665437
1264.839976	254.177317	5.73643E-06	0.007255663
1264.879976	266.141626	6.00645E-06	0.007597433
1264.919976	266.614347	6.01711E-06	0.007611168
1264.959976	241.40077	5.44808E-06	0.006891602
1264.999976	226.503729	5.11187E-06	0.00646652
1265.039976	253.252933	5.71557E-06	0.007230419

1265.079976	295.825674	6.67637E-06	0.008446146
1265.119976	321.816531	7.26295E-06	0.009188504
1265.159976	325.005831	7.33493E-06	0.009279858
1265.199976	332.174668	7.49672E-06	0.009484849
1265.239976	334.721397	7.5542E-06	0.00955787
1265.279976	326.72155	7.37365E-06	0.009329732
1265.319976	326.637198	7.37175E-06	0.009327618
1265.359976	345.048121	7.78726E-06	0.009853681
1265.399976	303.952821	6.85979E-06	0.00868038
1265.439976	214.893049	4.84984E-06	0.006137177
1265.479976	166.057042	3.74768E-06	0.004742609
1265.519976	160.482899	3.62188E-06	0.004583556
1265.559976	161.878921	3.65338E-06	0.004623574
1265.599976	168.176297	3.7955E-06	0.004803591
1265.639976	181.051043	4.08607E-06	0.005171493
1265.679976	183.097599	4.13226E-06	0.005230116
1265.719976	187.198702	4.22481E-06	0.005347431
1265.759976	191.917827	4.33132E-06	0.005482409
1265.799976	214.091183	4.83174E-06	0.006116016
1265.839976	221.694786	5.00334E-06	0.006333431
1265.879976	207.899835	4.69201E-06	0.005939521
1265.919976	201.351739	4.54423E-06	0.005752629
1265.959976	218.947038	4.94133E-06	0.006255526
1265.999976	240.734662	5.43305E-06	0.006878236
1266.039976	240.167118	5.42024E-06	0.006862237
1266.079976	246.818264	5.57034E-06	0.007052502
1266.119976	280.035147	6.32E-06	0.008001882
1266.159976	292.483219	6.60094E-06	0.008357845
1266.199976	282.667285	6.37941E-06	0.008077605
1266.239976	311.453391	7.02907E-06	0.008900488
1266.279976	352.309969	7.95115E-06	0.010068376
1266.319976	330.795045	7.46558E-06	0.009453817
1266.359976	297.344362	6.71065E-06	0.008498096
1266.399976	273.81423	6.17961E-06	0.007825853
1266.439976	249.1731	5.62349E-06	0.007121812
1266.479976	210.040583	4.74032E-06	0.006003525
1266.519976	181.413758	4.09426E-06	0.005185457
1266.559976	173.903299	3.92476E-06	0.004970938
1266.599976	176.119584	3.97477E-06	0.005034448
1266.639976	166.342267	3.75411E-06	0.00475511
1266.679976	172.452103	3.892E-06	0.004929923
1266.719976	189.483349	4.27638E-06	0.00541697
1266.759976	211.866764	4.78154E-06	0.006057061
1266.799976	224.478184	5.06616E-06	0.006417811
1266.839976	216.998908	4.89736E-06	0.006204175
1266.879976	207.498717	4.68296E-06	0.005932744

1266.919976	222.685683	5.02571E-06	0.006367167
1266.959976	236.800521	5.34426E-06	0.006770961
1266.999976	236.907856	5.34668E-06	0.006774244
1267.039976	226.75796	5.11761E-06	0.006484218
1267.079976	230.639449	5.20521E-06	0.006595419
1267.119976	263.700438	5.95135E-06	0.007541076
1267.159976	309.79962	6.99175E-06	0.008859661
1267.199976	321.637536	7.25891E-06	0.009198492
1267.239976	326.777269	7.37491E-06	0.009345778
1267.279976	344.787715	7.78138E-06	0.009861185
1267.319976	358.180895	8.08364E-06	0.010244563
1267.359976	342.891792	7.73859E-06	0.009807579
1267.399976	313.037062	7.06481E-06	0.008953941
1267.439976	288.135459	6.50282E-06	0.008241929
1267.479976	241.521862	5.45081E-06	0.006908795
1267.519976	204.915121	4.62465E-06	0.005861835
1267.559976	197.579465	4.45909E-06	0.005652168
1267.599976	186.706611	4.21371E-06	0.005341296
1267.639976	166.608902	3.76013E-06	0.004766492
1267.679976	177.122212	3.9974E-06	0.005067426
1267.719976	179.119033	4.04247E-06	0.005124716
1267.759976	175.223799	3.95456E-06	0.005013429
1267.799976	184.40403	4.16174E-06	0.005276257
1267.839976	193.002724	4.3558E-06	0.005522461
1267.879976	197.039546	4.44691E-06	0.005638146
1267.919976	191.505976	4.32202E-06	0.005479979
1267.959976	192.328611	4.34059E-06	0.005503693
1267.999976	230.384989	5.19947E-06	0.006592926
1268.039976	248.104717	5.59938E-06	0.007100235
1268.079976	234.624002	5.29514E-06	0.006714657
1268.119976	250.277409	5.64841E-06	0.007162865
1268.159976	291.323849	6.57477E-06	0.008337865
1268.199976	323.493486	7.3008E-06	0.009258871
1268.239976	315.125951	7.11195E-06	0.009019664
1268.279976	326.352723	7.36533E-06	0.009341296
1268.319976	319.755206	7.21643E-06	0.009152742
1268.359976	288.559545	6.51239E-06	0.008260051
1268.399976	249.163329	5.62327E-06	0.007132555
1268.439976	225.833363	5.09674E-06	0.006464914
1268.479976	218.164415	4.92367E-06	0.006245573
1268.519976	209.781743	4.73448E-06	0.006005785
1268.559976	192.947158	4.35455E-06	0.005524006
1268.599976	196.690191	4.43902E-06	0.005631345
1268.639976	203.402982	4.59052E-06	0.00582372
1268.679976	198.698803	4.48436E-06	0.005689212
1268.719976	214.692781	4.84532E-06	0.00614735

1268.759976	223.062825	5.03422E-06	0.006387213
1268.799976	217.511665	4.90894E-06	0.006228457
1268.839976	215.177468	4.85626E-06	0.006161811
1268.879976	215.94454	4.87357E-06	0.006183972
1268.919976	216.225074	4.8799E-06	0.006192201
1268.959976	215.547914	4.86462E-06	0.006173003
1268.999976	227.014663	5.1234E-06	0.0065016
1269.039976	224.113781	5.05794E-06	0.006418723
1269.079976	244.31536	5.51386E-06	0.006997526
1269.119976	279.724618	6.313E-06	0.008011948
1269.159976	297.177416	6.70688E-06	0.008512104
1269.199976	307.311593	6.93559E-06	0.008802657
1269.239976	330.012287	7.44792E-06	0.009453195
1269.279976	330.877775	7.46745E-06	0.009478285
1269.319976	309.76103	6.99087E-06	0.008873657
1269.359976	275.740444	6.22308E-06	0.007899326
1269.399976	248.145245	5.60029E-06	0.007109011
1269.439976	232.495487	5.2471E-06	0.006660878
1269.479976	230.574796	5.20375E-06	0.006606059
1269.519976	219.296328	4.94921E-06	0.006283124
1269.559976	195.031909	4.4016E-06	0.005588093
1269.599976	175.095045	3.95165E-06	0.005017016
1269.639976	170.960787	3.85835E-06	0.004898711
1269.679976	168.876711	3.81131E-06	0.004839147
1269.719976	181.157593	4.08847E-06	0.005191218
1269.759976	192.535336	4.34525E-06	0.00551743
1269.799976	188.82927	4.26161E-06	0.005411397
1269.839976	174.584159	3.94012E-06	0.005003324
1269.879976	159.790211	3.60624E-06	0.004579495
1269.919976	160.222182	3.61599E-06	0.00459202
1269.959976	173.341083	3.91207E-06	0.004968168
1269.999976	192.116985	4.33581E-06	0.005506482
1270.039976	216.950219	4.89626E-06	0.006218451
1270.079976	231.90522	5.23378E-06	0.006647316
1270.119976	238.162437	5.37499E-06	0.006826888
1270.159976	263.659	5.95042E-06	0.007557981
1270.199976	297.27252	6.70903E-06	0.008521806
1270.239976	307.051247	6.92972E-06	0.008802406
1270.279976	294.953753	6.6567E-06	0.008455867
1270.319976	269.294507	6.0776E-06	0.007720499
1270.359976	269.922762	6.09178E-06	0.007738754
1270.399976	276.297734	6.23566E-06	0.007921776
1270.439976	270.246415	6.09909E-06	0.007748522
1270.479976	254.201078	5.73696E-06	0.007288698
1270.519976	224.073982	5.05704E-06	0.006425067
1270.559976	202.037852	4.55971E-06	0.005793389

1270.599976	179.768106	4.05712E-06	0.005154971
1270.639976	194.833831	4.39713E-06	0.005587167
1270.679976	214.937419	4.85084E-06	0.006163863
1270.719976	201.006184	4.53643E-06	0.005764532
1270.759976	184.077711	4.15438E-06	0.005279217
1270.799976	203.63385	4.59573E-06	0.005840257
1270.839976	226.143855	5.10375E-06	0.006486052
1270.879976	223.731366	5.04931E-06	0.006417061
1270.919976	222.563659	5.02295E-06	0.00638377
1270.959976	240.033355	5.41722E-06	0.006885068
1270.999976	228.671619	5.1608E-06	0.006559377
1271.039976	232.203601	5.24051E-06	0.0066609
1271.079976	277.120336	6.25422E-06	0.007949614
1271.119976	314.406607	7.09572E-06	0.00901951
1271.159976	342.575881	7.73146E-06	0.009827923
1271.199976	372.759567	8.41266E-06	0.010694179
1271.239976	393.518154	8.88116E-06	0.011290081
1271.279976	396.278445	8.94345E-06	0.011369632
1271.319976	405.918199	9.16101E-06	0.011646573
1271.359976	381.176732	8.60263E-06	0.010937037
1271.399976	339.290956	7.65732E-06	0.009735522
1271.439976	278.48807	6.28509E-06	0.007991112
1271.479976	226.070002	5.10209E-06	0.006487199
1271.519976	215.383731	4.86091E-06	0.006180745
1271.559976	211.889274	4.78205E-06	0.006080658
1271.599976	194.755129	4.39535E-06	0.005589129
1271.639976	181.710359	4.10095E-06	0.005214932
1271.679976	171.137791	3.86234E-06	0.004911662
1271.719976	184.82975	4.17135E-06	0.005304789
1271.759976	200.65103	4.52841E-06	0.005759056
1271.799976	209.392165	4.72569E-06	0.006010132
1271.839976	221.622545	5.00171E-06	0.006361377
1271.879976	210.80507	4.75758E-06	0.006051067
1271.919976	168.135273	3.79458E-06	0.004826401
1271.959976	160.591759	3.62433E-06	0.004610006
1271.999976	190.128272	4.29093E-06	0.005458063
1272.039976	214.2519	4.83537E-06	0.00615078
1272.079976	225.275038	5.08414E-06	0.006467438
1272.119976	246.557878	5.56447E-06	0.007078671
1272.159976	270.476536	6.10428E-06	0.007765619
1272.199976	286.415555	6.464E-06	0.008223501
1272.239976	299.199706	6.75252E-06	0.008590827
1272.279976	312.246048	7.04696E-06	0.008965704
1272.319976	329.005925	7.42521E-06	0.009447237
1272.359976	313.889419	7.08405E-06	0.009013458
1272.399976	279.68877	6.31219E-06	0.008031625

1272.439976	240.864694	5.43598E-06	0.006916959
1272.479976	228.85941	5.16504E-06	0.006572408
1272.519976	213.461646	4.81753E-06	0.006130406
1272.559976	191.43847	4.3205E-06	0.005498095
1272.599976	171.130009	3.86217E-06	0.004914992
1272.639976	169.296348	3.82078E-06	0.004862481
1272.679976	181.500926	4.09622E-06	0.005213181
1272.719976	217.837236	4.91628E-06	0.006257052
1272.759976	229.022604	5.16872E-06	0.006578541
1272.799976	191.450083	4.32076E-06	0.005499465
1272.839976	190.748956	4.30494E-06	0.005479497
1272.879976	240.279094	5.42276E-06	0.006902528
1272.919976	244.674358	5.52196E-06	0.007029012
1272.959976	219.374705	4.95098E-06	0.006302401
1272.999976	212.072496	4.78618E-06	0.006092808
1273.039976	232.91361	5.25654E-06	0.00669178
1273.079976	261.023046	5.89093E-06	0.007499621
1273.119976	291.334196	6.57501E-06	0.008370773
1273.159976	331.331415	7.47769E-06	0.009520294
1273.199976	359.734154	8.1187E-06	0.010336727
1273.239976	365.514044	8.24914E-06	0.010503138
1273.279976	348.524869	7.86572E-06	0.010015265
1273.319976	335.266017	7.56649E-06	0.009634559
1273.359976	327.619386	7.39391E-06	0.009415113
1273.399976	318.113818	7.17939E-06	0.00914223
1273.439976	294.351828	6.64311E-06	0.008459603
1273.479976	268.492652	6.05951E-06	0.007716659
1273.519976	243.719169	5.5004E-06	0.007004872
1273.559976	228.13138	5.14861E-06	0.00655706
1273.599976	218.290775	4.92652E-06	0.006274414
1273.639976	200.301533	4.52053E-06	0.005757523
1273.679976	186.751702	4.21473E-06	0.005368212
1273.719976	184.227035	4.15775E-06	0.005295806
1273.759976	178.73727	4.03385E-06	0.005138158
1273.799976	195.508435	4.41235E-06	0.005620455
1273.839976	210.701363	4.75524E-06	0.00605741
1273.879976	194.844341	4.39737E-06	0.005601716
1273.919976	164.913838	3.72188E-06	0.004741372
1273.959976	165.890948	3.74393E-06	0.004769614
1273.999976	205.607602	4.64028E-06	0.005911713
1274.039976	224.853034	5.07462E-06	0.006465268
1274.079976	220.259932	4.97096E-06	0.0063334
1274.119976	232.046289	5.23696E-06	0.006672517
1274.159976	248.655037	5.6118E-06	0.007150328
1274.199976	288.155572	6.50327E-06	0.008286466
1274.239976	330.657596	7.46248E-06	0.009508992

1274.279976	355.146626	8.01516E-06	0.010213564
1274.319976	349.513725	7.88804E-06	0.010051884
1274.359976	317.086413	7.1562E-06	0.009119573
1274.399976	261.92697	5.91133E-06	0.007533395
1274.439976	220.095429	4.96725E-06	0.006330458
1274.479976	185.120022	4.1779E-06	0.005324651
1274.519976	177.119927	3.99735E-06	0.005094702
1274.559976	172.8628	3.90127E-06	0.004972406
1274.599976	168.404532	3.80066E-06	0.004844316
1274.639976	173.911209	3.92493E-06	0.005002877
1274.679976	187.461357	4.23074E-06	0.005392842
1274.719976	197.038151	4.44688E-06	0.005668522
1274.759976	198.112685	4.47113E-06	0.005699614
1274.799976	196.548123	4.43582E-06	0.00565478
1274.839976	187.001157	4.22036E-06	0.005380278
1274.879976	181.655303	4.09971E-06	0.005226635
1274.919976	168.000354	3.79153E-06	0.004833902
1274.959976	172.383107	3.89045E-06	0.004960164
1274.999976	219.392295	4.95138E-06	0.006313007
1275.039976	260.044506	5.86884E-06	0.007483009
1275.079976	271.387894	6.12485E-06	0.007809669
1275.119976	273.50781	6.17269E-06	0.007870921
1275.159976	290.95074	6.56635E-06	0.00837315
1275.199976	290.136432	6.54798E-06	0.008349978
1275.239976	306.625996	6.92012E-06	0.008824816
1275.279976	342.152016	7.72189E-06	0.009847577
1275.319976	364.658553	8.22984E-06	0.010495674
1275.359976	326.455002	7.36763E-06	0.009396386
1275.399976	304.773071	6.8783E-06	0.008772588
1275.439976	296.336964	6.68791E-06	0.008530031
1275.479976	252.977144	5.70934E-06	0.007282151
1275.519976	197.851094	4.46522E-06	0.005695482
1275.559976	154.089825	3.47759E-06	0.004435878
1275.599976	133.680527	3.01698E-06	0.003848464
1275.639976	148.100774	3.34243E-06	0.004263735
1275.679976	168.704283	3.80742E-06	0.00485705
1275.719976	181.00796	4.0851E-06	0.005211441
1275.759976	192.972523	4.35512E-06	0.005556089
1275.799976	201.196319	4.54072E-06	0.005793051
1275.839976	198.734818	4.48517E-06	0.005722357
1275.879976	192.721962	4.34947E-06	0.005549397
1275.919976	199.240306	4.49658E-06	0.005737271
1275.959976	212.500866	4.79585E-06	0.006119311
1275.999976	216.159062	4.87841E-06	0.00622485
1276.039976	195.713012	4.41697E-06	0.00563623
1276.079976	179.404287	4.0489E-06	0.005166726

1276.119976	197.251438	4.45169E-06	0.005680891
1276.159976	226.720497	5.11677E-06	0.006529812
1276.199976	270.141099	6.09671E-06	0.007780619
1276.239976	285.549344	6.44445E-06	0.008224666
1276.279976	271.548867	6.12848E-06	0.007821656
1276.319976	260.305142	5.87472E-06	0.007498028
1276.359976	243.865792	5.50371E-06	0.007024717
1276.399976	230.048624	5.19188E-06	0.006626912
1276.439976	216.609916	4.88858E-06	0.006239984
1276.479976	208.503223	4.70563E-06	0.006006639
1276.519976	214.476868	4.84044E-06	0.006178924
1276.559976	210.067318	4.74093E-06	0.006052077
1276.599976	198.155891	4.4721E-06	0.005709086
1276.639976	202.923082	4.57969E-06	0.005846617
1276.679976	212.9483	4.80595E-06	0.006135656
1276.719976	225.724346	5.09428E-06	0.006503974
1276.759976	229.796021	5.18618E-06	0.006621502
1276.799976	217.20456	4.902E-06	0.006258879
1276.839976	194.163669	4.382E-06	0.005595117
1276.879976	202.417794	4.56829E-06	0.005833155
1276.919976	236.164008	5.32989E-06	0.006805846
1276.959976	267.782141	6.04347E-06	0.007717269
1276.999976	281.66016	6.35668E-06	0.008117477
1277.039976	275.580292	6.21946E-06	0.007942503
1277.079976	273.746841	6.17808E-06	0.007889909
1277.119976	279.159058	6.30023E-06	0.008046151
1277.159976	284.966751	6.4313E-06	0.008213802
1277.199976	285.117469	6.4347E-06	0.008218404
1277.239976	283.796831	6.4049E-06	0.008180593
1277.279976	283.301376	6.39372E-06	0.008166567
1277.319976	289.333467	6.52985E-06	0.008340712
1277.359976	264.881204	5.978E-06	0.007636058
1277.399976	228.050853	5.14679E-06	0.00657451
1277.439976	205.221787	4.63157E-06	0.005916553
1277.479976	193.077568	4.35749E-06	0.005566608
1277.519976	187.157589	4.22389E-06	0.005396099
1277.559976	177.102627	3.99696E-06	0.005106356
1277.599976	185.350156	4.18309E-06	0.005344322
1277.639976	192.321755	4.34043E-06	0.005545512
1277.679976	192.728382	4.34961E-06	0.005557411
1277.719976	190.725037	4.3044E-06	0.005499816
1277.759976	181.151421	4.08834E-06	0.005223911
1277.799976	180.873374	4.08206E-06	0.005216056
1277.839976	200.550543	4.52615E-06	0.005783691
1277.879976	209.932956	4.73789E-06	0.00605446
1277.919976	204.562775	4.6167E-06	0.005899769

1277.959976	202.16645	4.56262E-06	0.00583084
1277.999976	211.033112	4.76272E-06	0.00608676
1278.039976	216.007495	4.87499E-06	0.00623043
1278.079976	238.091736	5.3734E-06	0.006867633
1278.119976	239.834528	5.41273E-06	0.00691812
1278.159976	235.965452	5.32541E-06	0.006806728
1278.199976	257.722307	5.81643E-06	0.007434565
1278.239976	278.415599	6.28345E-06	0.00803176
1278.279976	292.522294	6.60182E-06	0.008438975
1278.319976	286.869662	6.47425E-06	0.008276161
1278.359976	262.60671	5.92667E-06	0.007576415
1278.399976	246.206611	5.55654E-06	0.007103481
1278.439976	243.932067	5.50521E-06	0.007038077
1278.479976	230.15529	5.19428E-06	0.006640788
1278.519976	223.60277	5.0464E-06	0.006451927
1278.559976	202.739218	4.57554E-06	0.005850105
1278.599976	179.476804	4.05054E-06	0.005179022
1278.639976	172.046864	3.88286E-06	0.004964778
1278.679976	188.953958	4.26443E-06	0.005452838
1278.719976	214.881736	4.84958E-06	0.006201257
1278.759976	209.561384	4.72951E-06	0.006047906
1278.799976	198.381655	4.4772E-06	0.00572544
1278.839976	193.915301	4.3764E-06	0.005596713
1278.879976	199.4649	4.50164E-06	0.005757064
1278.919976	208.886613	4.71428E-06	0.006029187
1278.959976	217.303317	4.90423E-06	0.006272318
1278.999976	223.793899	5.05072E-06	0.006459866
1279.039976	207.750369	4.68864E-06	0.005996953
1279.079976	230.969875	5.21267E-06	0.00666742
1279.119976	263.053748	5.93676E-06	0.007593824
1279.159976	291.050037	6.56859E-06	0.008402282
1279.199976	338.833236	7.64699E-06	0.009782035
1279.239976	366.541215	8.27232E-06	0.010582288
1279.279976	360.200079	8.12921E-06	0.010399541
1279.319976	366.279048	8.26641E-06	0.010575381
1279.359976	318.250575	7.18247E-06	0.009188967
1279.399976	260.003844	5.86792E-06	0.007507423
1279.439976	230.960785	5.21246E-06	0.006669034
1279.479976	206.068796	4.65069E-06	0.005950459
1279.519976	196.643092	4.43796E-06	0.005678459
1279.559976	189.722218	4.28177E-06	0.005478777
1279.599976	190.629681	4.30225E-06	0.005505154
1279.639976	186.138292	4.20088E-06	0.005375617
1279.679976	184.781433	4.17026E-06	0.005336598
1279.719976	181.34161	4.09263E-06	0.005237417
1279.759976	182.025845	4.10807E-06	0.005257343

1279.799976	205.836353	4.64544E-06	0.005945234
1279.839976	221.996843	5.01016E-06	0.006412202
1279.879976	207.193022	4.67606E-06	0.005984793
1279.919976	199.208134	4.49585E-06	0.005754328
1279.959976	201.900698	4.55662E-06	0.005832288
1279.999976	196.339846	4.43112E-06	0.005671829
1280.039976	210.863303	4.75889E-06	0.006091571
1280.079976	221.610133	5.00143E-06	0.006402233
1280.119976	232.734301	5.25249E-06	0.006723816
1280.159976	275.059874	6.20772E-06	0.007946872
1280.199976	293.546056	6.62493E-06	0.00848123
1280.239976	283.961837	6.40862E-06	0.008204576
1280.279976	316.785459	7.14941E-06	0.009153242
1280.319976	326.237968	7.36274E-06	0.009426659
1280.359976	279.320695	6.30388E-06	0.008071234
1280.399976	231.387989	5.2221E-06	0.006686383
1280.439976	224.814304	5.07375E-06	0.006496627
1280.479976	214.953446	4.8512E-06	0.006211864
1280.519976	203.287312	4.58791E-06	0.005874912
1280.559976	192.391008	4.342E-06	0.005560188
1280.599976	186.836354	4.21664E-06	0.005399824
1280.639976	190.785656	4.30577E-06	0.005514137
1280.679976	210.823996	4.758E-06	0.00609348
1280.719976	217.740658	4.9141E-06	0.00629359
1280.759976	201.970818	4.5582E-06	0.00583796
1280.799976	195.588823	4.41417E-06	0.005653665
1280.839976	182.410025	4.11674E-06	0.005272885
1280.879976	179.299125	4.04653E-06	0.005183121
1280.919976	185.740769	4.19191E-06	0.005369502
1280.959976	184.035005	4.15341E-06	0.005320357
1280.999976	183.913492	4.15067E-06	0.00531701
1281.039976	194.467303	4.38886E-06	0.0056223
1281.079976	215.72285	4.86856E-06	0.00623702
1281.119976	258.752578	5.83969E-06	0.007481337
1281.159976	298.46564	6.73595E-06	0.008629834
1281.199976	313.623621	7.07805E-06	0.009068395
1281.239976	322.390793	7.27591E-06	0.009322188
1281.279976	312.838749	7.06033E-06	0.009046266
1281.319976	290.342687	6.55263E-06	0.008396016
1281.359976	252.205647	5.69193E-06	0.007293411
1281.399976	240.962486	5.43819E-06	0.006968494
1281.439976	219.38033	4.95111E-06	0.006344548
1281.479976	207.795442	4.68965E-06	0.006009697
1281.519976	211.50842	4.77345E-06	0.006117272
1281.559976	214.811698	4.848E-06	0.006213004
1281.599976	211.044842	4.76299E-06	0.006104245

1281.639976	199.128537	4.49405E-06	0.005759759
1281.679976	195.556808	4.41344E-06	0.005656624
1281.719976	210.526026	4.75128E-06	0.006089809
1281.759976	205.680393	4.64192E-06	0.005949827
1281.799976	179.881222	4.05967E-06	0.005203683
1281.839976	184.871186	4.17229E-06	0.005348202
1281.879976	200.110729	4.51622E-06	0.005789253
1281.919976	203.765167	4.5987E-06	0.00589516
1281.959976	197.776157	4.46353E-06	0.00572207
1281.999976	187.314799	4.22743E-06	0.00541957
1282.039976	180.547069	4.0747E-06	0.005223923
1282.079976	190.181145	4.29212E-06	0.005502846
1282.119976	217.274132	4.90357E-06	0.006286971
1282.159976	247.483122	5.58535E-06	0.007161311
1282.199976	284.423285	6.41904E-06	0.00823049
1282.239976	306.675447	6.92124E-06	0.008874688
1282.279976	293.580976	6.62571E-06	0.00849602
1282.319976	264.262834	5.96404E-06	0.007647813
1282.359976	251.788237	5.68251E-06	0.007287023
1282.399976	261.299217	5.89716E-06	0.007562517
1282.439976	246.118372	5.55455E-06	0.007123375
1282.479976	225.771266	5.09534E-06	0.006534675
1282.519976	214.720671	4.84595E-06	0.006215023
1282.559976	202.830548	4.5776E-06	0.00587105
1282.599976	203.966626	4.60324E-06	0.005904119
1282.639976	200.257013	4.51952E-06	0.005796919
1282.679976	202.691608	4.57447E-06	0.005867578
1282.719976	210.752295	4.75639E-06	0.006101111
1282.759976	213.604217	4.82075E-06	0.006183865
1282.799976	191.327268	4.31799E-06	0.005539117
1282.839976	170.466496	3.84719E-06	0.004935331
1282.879976	166.081841	3.74824E-06	0.004808537
1282.919976	171.73986	3.87593E-06	0.004972507
1282.959976	186.042122	4.19871E-06	0.005386779
1282.999976	207.582822	4.68486E-06	0.006010669
1283.039976	229.960402	5.18989E-06	0.006658831
1283.079976	262.996482	5.93546E-06	0.007615675
1283.119976	286.222226	6.45964E-06	0.008288489
1283.159976	288.556317	6.51231E-06	0.008356341
1283.199976	280.608908	6.33295E-06	0.008126444
1283.239976	268.476805	6.05915E-06	0.00777534
1283.279976	265.868723	6.00029E-06	0.007700048
1283.319976	279.428949	6.30632E-06	0.008093029
1283.359976	307.161788	6.93221E-06	0.008896526
1283.399976	298.545926	6.73777E-06	0.008647248
1283.439976	243.494924	5.49534E-06	0.007052941

1283.479976	204.025036	4.60456E-06	0.005909862
1283.519976	196.869963	4.44308E-06	0.005702783
1283.559976	196.641721	4.43793E-06	0.005696349
1283.599976	209.488199	4.72786E-06	0.006068677
1283.639976	204.022078	4.60449E-06	0.005910513
1283.679976	209.401064	4.72589E-06	0.006066531
1283.719976	211.462377	4.77241E-06	0.00612644
1283.759976	213.267651	4.81315E-06	0.006178934
1283.799976	219.32851	4.94994E-06	0.006354732
1283.839976	219.1193	4.94522E-06	0.006348868
1283.879976	204.021716	4.60449E-06	0.005911607
1283.919976	184.795607	4.17058E-06	0.00535469
1283.959976	161.167566	3.63733E-06	0.004670183
1283.999976	161.257251	3.63935E-06	0.004672927
1284.039976	176.211108	3.97684E-06	0.005106421
1284.079976	204.431126	4.61373E-06	0.005924393
1284.119976	241.01617	5.4394E-06	0.006984841
1284.159976	250.62114	5.65617E-06	0.007263427
1284.199976	246.374681	5.56033E-06	0.00714058
1284.239976	260.474803	5.87855E-06	0.007549473
1284.279976	293.760583	6.62977E-06	0.008514477
1284.319976	342.212036	7.72325E-06	0.009919123
1284.359976	324.533979	7.32428E-06	0.009407012
1284.399976	261.385434	5.89911E-06	0.007576811
1284.439976	218.072963	4.9216E-06	0.006321504
1284.479976	211.048464	4.76307E-06	0.006118068
1284.519976	221.477052	4.99843E-06	0.006420581
1284.559976	208.900573	4.71459E-06	0.00605618
1284.599976	193.4293	4.36543E-06	0.005607831
1284.639976	190.371132	4.29641E-06	0.005519342
1284.679976	195.471833	4.41153E-06	0.0056674
1284.719976	216.600053	4.88836E-06	0.006280176
1284.759976	238.633826	5.38563E-06	0.006919246
1284.799976	232.402407	5.245E-06	0.006738774
1284.839976	218.34761	4.9278E-06	0.006331436
1284.879976	208.483247	4.70518E-06	0.006045587
1284.919976	198.096774	4.47077E-06	0.005744579
1284.959976	200.46773	4.52428E-06	0.005813515
1284.999976	209.792766	4.73473E-06	0.006084129
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1285.079976	254.273978	5.73861E-06	0.007374572
1285.119976	293.822652	6.63117E-06	0.008521846
1285.159976	292.236476	6.59537E-06	0.008476106
1285.199976	299.639943	6.76246E-06	0.008691108
1285.239976	329.368516	7.43339E-06	0.009553688
1285.279976	343.468878	7.75161E-06	0.009962994

1285.319976	320.368515	7.23027E-06	0.009293212
1285.359976	294.731556	6.65168E-06	0.008549804
1285.399976	283.751696	6.40388E-06	0.008231548
1285.439976	257.668087	5.81521E-06	0.007475103
1285.479976	255.29773	5.76171E-06	0.007406568
1285.519976	255.119154	5.75768E-06	0.007401618
1285.559976	221.394038	4.99656E-06	0.006423371
1285.599976	194.618926	4.39228E-06	0.005646713
1285.639976	172.142195	3.88501E-06	0.004994724
1285.679976	165.000836	3.72384E-06	0.004787665
1285.719976	184.408135	4.16183E-06	0.005350954
1285.759976	199.92554	4.51204E-06	0.005801402
1285.799976	223.643074	5.04731E-06	0.006489835
1285.839976	237.694846	5.36444E-06	0.006897813
1285.879976	214.693796	4.84534E-06	0.006230526
1285.919976	200.147847	4.51706E-06	0.005808575
1285.959976	185.703911	4.19108E-06	0.005389559
1285.999976	176.565064	3.98483E-06	0.005124488
1286.039976	190.013666	4.28834E-06	0.005514982
1286.079976	218.528063	4.93187E-06	0.006342784
1286.119976	225.929248	5.09891E-06	0.006557808
1286.159976	255.9266	5.77591E-06	0.00742874
1286.199976	293.585067	6.62581E-06	0.008522112
1286.239976	310.455378	7.00655E-06	0.009012099
1286.279976	300.388892	6.77936E-06	0.008720154
1286.319976	274.371618	6.19219E-06	0.007965132
1286.359976	249.099935	5.62184E-06	0.007231708
1286.399976	244.511381	5.51828E-06	0.007098717
1286.439976	263.149072	5.93891E-06	0.007640049
1286.479976	250.908711	5.66266E-06	0.007284899
1286.519976	221.767753	5.00499E-06	0.006439019
1286.559976	201.472403	4.54695E-06	0.005849926
1286.599976	184.604648	4.16627E-06	0.005360323
1286.639976	177.361704	4.00281E-06	0.005150171
1286.679976	186.868827	4.21737E-06	0.005426404
1286.719976	209.647652	4.73146E-06	0.006088058
1286.759976	217.614947	4.91127E-06	0.006319621
1286.799976	214.391363	4.83851E-06	0.0062262
1286.839976	200.816569	4.53215E-06	0.005832152
1286.879976	184.913139	4.17323E-06	0.005370449
1286.919976	189.945165	4.2868E-06	0.005516766
1286.959976	198.828289	4.48728E-06	0.005774947
1286.999976	221.558439	5.00027E-06	0.006435341
1287.039976	235.562013	5.31631E-06	0.006842299
1287.079976	210.373076	4.74783E-06	0.006110833
1287.119976	219.62301	4.95659E-06	0.00637972

1287.159976	256.14352	5.7808E-06	0.007440818
1287.199976	291.39439	6.57637E-06	0.008465098
1287.239976	335.532271	7.5725E-06	0.00974762
1287.279976	344.167587	7.76738E-06	0.009998797
1287.319976	311.902166	7.0392E-06	0.009061699
1287.359976	266.793969	6.02117E-06	0.007751411
1287.399976	236.682001	5.34158E-06	0.006876754
1287.439976	232.574826	5.24889E-06	0.006757631
1287.479976	222.55132	5.02267E-06	0.006466591
1287.519976	207.709238	4.68771E-06	0.006035518
1287.559976	176.628321	3.98626E-06	0.005132543
1287.599976	157.804469	3.56143E-06	0.004585693
1287.639976	162.780223	3.67372E-06	0.004730432
1287.679976	177.069429	3.99621E-06	0.00514584
1287.719976	190.291494	4.29461E-06	0.00553026
1287.759976	188.445336	4.25295E-06	0.005476777
1287.799976	172.955856	3.90337E-06	0.005026763
1287.839976	170.683762	3.85209E-06	0.004960882
1287.879976	194.121236	4.38105E-06	0.005642261
1287.919976	191.006277	4.31075E-06	0.005551895
1287.959976	178.295973	4.02389E-06	0.005182612
1287.999976	169.805419	3.83227E-06	0.004935966
1288.039976	199.073948	4.49282E-06	0.005786934
1288.079976	240.952289	5.43796E-06	0.007004524
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1288.199976	304.908185	6.88135E-06	0.008864559
1288.239976	323.366356	7.29793E-06	0.009401483
1288.279976	324.23358	7.3175E-06	0.009426989
1288.319976	328.272471	7.40865E-06	0.009544715
1288.359976	308.052007	6.9523E-06	0.008957071
1288.399976	255.430382	5.76471E-06	0.00742725
1288.439976	225.433046	5.08771E-06	0.006555209
1288.479976	228.422603	5.15518E-06	0.006642346
1288.519976	217.138614	4.90052E-06	0.006314413
1288.559976	207.187787	4.67594E-06	0.006025229
1288.599976	198.026127	4.46917E-06	0.005758977
1288.639976	194.089183	4.38032E-06	0.005644659
1288.679976	199.531989	4.50316E-06	0.005803131
1288.719976	203.914763	4.60207E-06	0.005930782
1288.759976	199.203416	4.49574E-06	0.005793934
1288.799976	216.558576	4.88743E-06	0.006298914
1288.839976	206.290763	4.6557E-06	0.006000446
1288.879976	185.450567	4.18536E-06	0.005394428
1288.919976	174.9185	3.94767E-06	0.005088227
1288.959976	195.601283	4.41445E-06	0.005690047

1288.999976	232.173088	5.23982E-06	0.006754132
1289.039976	263.542333	5.94778E-06	0.007666931
1289.079976	285.48444	6.44299E-06	0.008305524
1289.119976	299.46814	6.75858E-06	0.008712619
1289.159976	300.583303	6.78375E-06	0.008745334
1289.199976	334.744813	7.55472E-06	0.00973955
1289.239976	350.623663	7.91309E-06	0.010201869
1289.279976	367.497104	8.2939E-06	0.010693156
1289.319976	350.291324	7.90559E-06	0.010192832
1289.359976	293.556888	6.62517E-06	0.008542229
1289.399976	243.33034	5.49163E-06	0.007080904
1289.439976	220.59552	4.97853E-06	0.00641952
1289.479976	206.057442	4.65043E-06	0.005996636
1289.519976	187.542267	4.23257E-06	0.005457981
1289.559976	178.368744	4.02553E-06	0.005191168
1289.599976	187.525297	4.23218E-06	0.005457825
1289.639976	193.571672	4.36864E-06	0.005633977
1289.679976	211.736213	4.77859E-06	0.006162854
1289.719976	221.855924	5.00698E-06	0.006457601
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1289.799976	200.449249	4.52386E-06	0.005834875
1289.839976	204.697525	4.61974E-06	0.005958723
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1290.039976	213.594845	4.82054E-06	0.006218687
1290.079976	207.879788	4.69156E-06	0.006052484
1290.119976	216.773109	4.89227E-06	0.006311612
1290.159976	243.292455	5.49077E-06	0.007083974
1290.199976	264.488321	5.96913E-06	0.007701375
1290.239976	264.170488	5.96196E-06	0.007692359
1290.279976	261.664339	5.9054E-06	0.007619619
1290.319976	275.75949	6.22351E-06	0.008030316
1290.359976	264.920547	5.97889E-06	0.007714917
1290.399976	247.759358	5.59158E-06	0.007215379
1290.439976	237.995352	5.37122E-06	0.006931242
1290.479976	216.263233	4.88076E-06	0.006298523
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1290.639976	176.573228	3.98501E-06	0.005143216
1290.679976	202.605395	4.57252E-06	0.005901662
1290.719976	222.638478	5.02464E-06	0.006485404
1290.759976	217.741758	4.91413E-06	0.00634296
1290.799976	188.638968	4.25732E-06	0.005495347

1290.839976	163.145593	3.68197E-06	0.004752833
1290.879976	183.552167	4.14252E-06	0.005347492
1290.919976	230.954224	5.21232E-06	0.006728682
1290.959976	240.433119	5.42624E-06	0.007005059
1290.999976	233.771823	5.2759E-06	0.006811192
1291.039976	242.024952	5.46217E-06	0.007051875
1291.079976	239.368215	5.40221E-06	0.006974682
1291.119976	257.081771	5.80198E-06	0.007491049
1291.159976	287.46514	6.48769E-06	0.008376643
1291.199976	319.507898	7.21085E-06	0.009310647
1291.239976	324.903734	7.33262E-06	0.009468178
1291.279976	312.316906	7.04856E-06	0.009101661
1291.319976	290.445371	6.55495E-06	0.008464535
1291.359976	279.823599	6.31523E-06	0.008155234
1291.399976	266.224806	6.00832E-06	0.007759148
1291.439976	244.841756	5.52574E-06	0.007136158
1291.479976	226.953962	5.12203E-06	0.006615005
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1291.719976	202.287866	4.56536E-06	0.005897161
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1291.839976	213.82582	4.82575E-06	0.006234098
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1291.919976	193.175572	4.3597E-06	0.005632388
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1291.999976	194.466025	4.38883E-06	0.005670365
1292.039976	224.093785	5.05748E-06	0.006534472
1292.079976	233.520481	5.27023E-06	0.006809561
1292.119976	223.030072	5.03348E-06	0.006503858
1292.159976	228.974707	5.16764E-06	0.006677418
1292.199976	253.627846	5.72403E-06	0.007396588
1292.239976	277.834939	6.27035E-06	0.008102794
1292.279976	303.837028	6.85718E-06	0.008861394
1292.319976	312.124435	7.04421E-06	0.009103378
1292.359976	285.599892	6.44559E-06	0.008330025
1292.399976	231.623971	5.22743E-06	0.006755931
1292.439976	206.66555	4.66415E-06	0.006028139
1292.479976	239.261591	5.3998E-06	0.006979134
1292.519976	259.661129	5.86019E-06	0.007574413
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1292.599976	202.645972	4.57344E-06	0.005911625
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1292.719976	213.337198	4.81472E-06	0.006224089
1292.759976	220.267175	4.97112E-06	0.006426469
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1292.879976	215.98019	4.87437E-06	0.006301978
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1294.479976	222.977087	5.03228E-06	0.006514189

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1295.279976	325.751706	7.35176E-06	0.00952259
1295.319976	301.563483	6.80587E-06	0.008815776
1295.359976	261.135303	5.89346E-06	0.007634152
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1295.479976	230.908275	5.21128E-06	0.006751106
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1295.799976	164.993202	3.72367E-06	0.004825127
1295.839976	176.005268	3.97219E-06	0.005147327
1295.879976	183.581104	4.14317E-06	0.005369051
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1296.319975	289.080271	6.52414E-06	0.008457372

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1296.479975	215.126613	4.85511E-06	0.00629455
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1296.679975	166.948567	3.7678E-06	0.004885626
1296.719975	187.30698	4.22726E-06	0.005481569
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1297.199975	369.176929	8.33181E-06	0.010808023
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1297.279975	390.865	8.82128E-06	0.011443668
1297.319975	383.651524	8.65848E-06	0.01123282
1297.359975	378.475192	8.54166E-06	0.011081605
1297.399975	343.275243	7.74724E-06	0.010051274
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1297.479975	256.767602	5.79489E-06	0.00751875
1297.519975	230.865325	5.21031E-06	0.00676048
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1297.679975	202.057407	4.56015E-06	0.005917621
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1297.879975	199.575738	4.50415E-06	0.005845841
1297.919975	183.015424	4.1304E-06	0.005360933
1297.959975	168.728586	3.80797E-06	0.004942592
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1298.079975	267.077304	6.02756E-06	0.007824258
1298.119975	299.592258	6.76138E-06	0.008777082
1298.159975	300.261785	6.77649E-06	0.008796968

1298.199975	296.412783	6.68962E-06	0.008684469
1298.239975	336.248013	7.58865E-06	0.009851888
1298.279975	379.411005	8.56278E-06	0.011116883
1298.319975	367.835398	8.30153E-06	0.010778046
1298.359975	348.514269	7.86548E-06	0.010212227
1298.399975	312.71042	7.05744E-06	0.009163378
1298.439975	268.048949	6.04949E-06	0.007854901
1298.479975	233.062837	5.2599E-06	0.006829879
1298.519975	218.087005	4.92192E-06	0.006391211
1298.559975	213.659744	4.822E-06	0.00626166
1298.599975	233.195521	5.2629E-06	0.006834399
1298.639975	245.977137	5.55136E-06	0.00720922
1298.679975	214.094969	4.83183E-06	0.006274995
1298.719975	201.228545	4.54145E-06	0.005898069
1298.759975	206.582375	4.66228E-06	0.006055178
1298.799975	215.536191	4.86435E-06	0.00631782
1298.839975	227.715492	5.13922E-06	0.006675026
1298.879975	225.895812	5.09815E-06	0.00662189
1298.919975	207.792944	4.6896E-06	0.006091412
1298.959975	194.984657	4.40053E-06	0.005716115
1298.999975	206.566186	4.66191E-06	0.006055822
1299.039975	229.82116	5.18674E-06	0.006737787
1299.079975	243.800806	5.50224E-06	0.007147856
1299.119975	269.734159	6.08752E-06	0.007908424
1299.159975	284.036409	6.41031E-06	0.008328013
1299.199975	284.676919	6.42476E-06	0.00834705
1299.239975	323.764889	7.30692E-06	0.009493446
1299.279975	351.698661	7.93735E-06	0.010312838
1299.319975	342.215504	7.72333E-06	0.010035073
1299.359975	302.843496	6.83476E-06	0.008880808
1299.399975	249.968253	5.64144E-06	0.007330481
1299.439975	206.094637	4.65127E-06	0.006044045
1299.479975	189.399727	4.27449E-06	0.005554612
1299.519975	190.816803	4.30647E-06	0.005596343
1299.559975	172.987912	3.9041E-06	0.005073607
1299.599975	178.993374	4.03963E-06	0.005249905
1299.639975	177.146473	3.99795E-06	0.005195895
1299.679975	162.979648	3.67822E-06	0.004780514
1299.719975	153.147891	3.45633E-06	0.004492267
1299.759975	159.085723	3.59034E-06	0.004666584
1299.799975	170.31158	3.8437E-06	0.004996035
1299.839975	179.819526	4.05828E-06	0.00527511
1299.879975	191.402243	4.31968E-06	0.005615068
1299.919975	200.043115	4.51469E-06	0.005868742
1299.959975	186.178426	4.20179E-06	0.005462156
1299.999975	184.143395	4.15586E-06	0.005402618

1300.039975	199.362651	4.49934E-06	0.005849318
1300.079975	205.30558	4.63346E-06	0.00602387
1300.119975	215.07237	4.85388E-06	0.006310631
1300.159975	224.058953	5.0567E-06	0.006574517
1300.199975	257.039219	5.80102E-06	0.007542482
1300.239975	263.23787	5.94091E-06	0.007724611
1300.279975	237.366268	5.35703E-06	0.006965634
1300.319975	230.107777	5.19321E-06	0.006752837
1300.359975	234.613482	5.2949E-06	0.006885275
1300.399975	259.029461	5.84593E-06	0.007602053
1300.439975	252.125229	5.69012E-06	0.007399653
1300.479975	208.760738	4.71144E-06	0.006127132
1300.519975	191.712932	4.32669E-06	0.005626952
1300.559975	201.89683	4.55653E-06	0.005926041
1300.599975	200.672015	4.52889E-06	0.005890271
1300.639975	191.726302	4.327E-06	0.005627863
1300.679975	176.611501	3.98588E-06	0.005184349
1300.719975	174.466072	3.93746E-06	0.005121528
1300.759975	194.188193	4.38256E-06	0.005700655
1300.799975	207.33009	4.67915E-06	0.00608664
1300.839975	206.823021	4.66771E-06	0.006071941
1300.879975	210.358836	4.74751E-06	0.006175935
1300.919975	214.738882	4.84636E-06	0.006304723
1300.959975	218.93668	4.9411E-06	0.006428168
1300.999975	215.331616	4.85973E-06	0.006322515
1301.039975	219.526888	4.95442E-06	0.006445893
1301.079975	249.706464	5.63553E-06	0.007332271
1301.119975	254.828904	5.75113E-06	0.007482915
1301.159975	252.495976	5.69848E-06	0.007414637
1301.199975	251.783772	5.68241E-06	0.00739395
1301.239975	277.118202	6.25417E-06	0.008138178
1301.279975	315.905412	7.12955E-06	0.009277534
1301.319975	311.579626	7.03192E-06	0.009150776
1301.359975	285.311839	6.43909E-06	0.008379575
1301.399975	284.005259	6.4096E-06	0.008341457
1301.439975	249.533237	5.63162E-06	0.007329212
1301.479975	203.98226	4.6036E-06	0.005991487
1301.519975	187.42063	4.22982E-06	0.005505199
1301.559975	175.071238	3.95111E-06	0.005142612
1301.599975	180.875421	4.08211E-06	0.005313269
1301.639975	178.634106	4.03152E-06	0.005247591
1301.679975	153.692897	3.46863E-06	0.004515052
1301.719975	135.331837	3.05425E-06	0.00397578
1301.759975	155.735452	3.51473E-06	0.004575338
1301.799975	170.146981	3.83998E-06	0.004998886
1301.839975	166.200263	3.75091E-06	0.004883083

1301.879975	176.081908	3.97392E-06	0.005173571
1301.919975	194.192597	4.38266E-06	0.005705868
1301.959975	195.049263	4.40199E-06	0.005731215
1301.999975	188.606237	4.25658E-06	0.005542067
1302.039975	191.330418	4.31806E-06	0.005622288
1302.079975	213.253706	4.81284E-06	0.006266701
1302.119975	228.941958	5.1669E-06	0.006727925
1302.159975	258.554612	5.83522E-06	0.007598387
1302.199975	277.18066	6.25558E-06	0.008146018
1302.239975	258.181002	5.82679E-06	0.007587873
1302.279975	266.508329	6.01472E-06	0.007832852
1302.319975	273.459679	6.1716E-06	0.008037403
1302.359975	242.518149	5.4733E-06	0.007128203
1302.399975	200.997585	4.53624E-06	0.005907993
1302.439975	199.63168	4.50541E-06	0.005868025
1302.479975	205.652278	4.64129E-06	0.006045181
1302.519975	181.527526	4.09682E-06	0.005336194
1302.559975	165.922254	3.74463E-06	0.004877611
1302.599975	158.922744	3.58666E-06	0.00467199
1302.639975	184.395702	4.16155E-06	0.005421007
1302.679975	214.102842	4.832E-06	0.006294553
1302.719975	201.836268	4.55516E-06	0.005934102
1302.759975	198.483663	4.4795E-06	0.005835713
1302.799975	203.80618	4.59962E-06	0.005992387
1302.839975	191.007101	4.31076E-06	0.005616236
1302.879975	185.934018	4.19627E-06	0.005467238
1302.919975	183.884842	4.15002E-06	0.00540715
1302.959975	179.395503	4.04871E-06	0.005275303
1302.999975	185.664339	4.19019E-06	0.005459812
1303.039975	216.454424	4.88507E-06	0.006365448
1303.079975	254.256576	5.73822E-06	0.007477355
1303.119975	262.661567	5.92791E-06	0.007724772
1303.159975	265.255854	5.98646E-06	0.007801309
1303.199975	278.549273	6.28647E-06	0.008192526
1303.239975	311.70452	7.03474E-06	0.00916795
1303.279975	349.646084	7.89103E-06	0.010284215
1303.319975	341.586444	7.70913E-06	0.010047463
1303.359975	296.906702	6.70077E-06	0.008733516
1303.399975	262.874134	5.9327E-06	0.007732685
1303.439975	241.925073	5.45991E-06	0.007116667
1303.479975	202.902549	4.57923E-06	0.005968932
1303.519975	192.878398	4.353E-06	0.005674218
1303.559975	197.475627	4.45675E-06	0.005809641
1303.599975	205.507272	4.63801E-06	0.006046113
1303.639975	190.216794	4.29293E-06	0.005596433
1303.679975	166.430001	3.75609E-06	0.004896744

1303.719975	161.007818	3.63372E-06	0.004737356
1303.759975	163.577695	3.69172E-06	0.004813118
1303.799975	157.561562	3.55594E-06	0.004636241
1303.839975	177.794037	4.01256E-06	0.005231741
1303.879975	178.580745	4.03032E-06	0.005255052
1303.919975	171.090771	3.86128E-06	0.005034801
1303.959975	164.013028	3.70155E-06	0.004826667
1303.999975	164.092649	3.70334E-06	0.004829159
1304.039975	197.892723	4.46616E-06	0.005824055
1304.079975	217.539961	4.90957E-06	0.006402477
1304.119975	222.510089	5.02174E-06	0.006548955
1304.159975	225.233952	5.08322E-06	0.006629328
1304.199975	223.841016	5.05178E-06	0.006588531
1304.239975	221.29046	4.99422E-06	0.006513658
1304.279975	246.808722	5.57013E-06	0.007265008
1304.319975	288.109489	6.50223E-06	0.008480988
1304.359975	275.655563	6.22116E-06	0.008114635
1304.399975	230.997538	5.21329E-06	0.006800219
1304.439975	199.038786	4.49203E-06	0.005859581
1304.479975	182.038869	4.10836E-06	0.005359278
1304.519975	180.311358	4.06938E-06	0.005308583
1304.559975	164.532998	3.71328E-06	0.004844197
1304.599975	147.795676	3.33554E-06	0.004351549
1304.639975	165.817232	3.74226E-06	0.004882307
1304.679975	185.48658	4.18617E-06	0.005461617
1304.719975	208.345166	4.70206E-06	0.006134872
1304.759975	211.33688	4.76958E-06	0.006223156
1304.799975	200.435882	4.52356E-06	0.005902339
1304.839975	194.474684	4.38902E-06	0.005726972
1304.879975	203.95932	4.60308E-06	0.006006464
1304.919975	214.51408	4.84128E-06	0.006317488
1304.959975	213.045989	4.80815E-06	0.006274445
1304.999975	196.412982	4.43277E-06	0.005784761
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1305.079975	193.824113	4.37434E-06	0.005708864
1305.119975	223.140205	5.03596E-06	0.006572537
1305.159975	262.654847	5.92775E-06	0.007736667
1305.199975	308.027445	6.95175E-06	0.009073424
1305.239975	315.372814	7.11753E-06	0.009290078
1305.279975	302.565297	6.82848E-06	0.008913075
1305.319975	287.484533	6.48813E-06	0.00846908
1305.359975	284.021633	6.40997E-06	0.008367322
1305.399975	277.658927	6.26638E-06	0.008180126
1305.439975	237.797269	5.36675E-06	0.007005974
1305.479975	213.427728	4.81677E-06	0.006288192
1305.519975	186.30079	4.20455E-06	0.005489123

1305.559975	172.715755	3.89795E-06	0.005089013
1305.599975	152.279655	3.43674E-06	0.004487007
1305.639975	136.020851	3.0698E-06	0.004008055
1305.679975	140.979281	3.18171E-06	0.00415429
1305.719975	154.945529	3.4969E-06	0.004565978
1305.759975	168.459995	3.80191E-06	0.004964379
1305.799975	171.140632	3.86241E-06	0.005043529
1305.839975	181.144361	4.08818E-06	0.005338504
1305.879975	183.60563	4.14372E-06	0.005411205
1305.919975	183.628587	4.14424E-06	0.005412048
1305.959975	203.65895	4.5963E-06	0.006002582
1305.999975	205.524723	4.63841E-06	0.006057759
1306.039975	190.322754	4.29532E-06	0.005609859
1306.079975	214.642293	4.84418E-06	0.006326883
1306.119975	259.939832	5.86648E-06	0.007662327
1306.159975	274.599369	6.19733E-06	0.008094698
1306.199975	290.155474	6.5484E-06	0.008553526
1306.239975	314.277135	7.0928E-06	0.009264895
1306.279975	357.331268	8.06447E-06	0.010534454
1306.319975	370.762684	8.3676E-06	0.01093076
1306.359975	358.799981	8.09762E-06	0.010578401
1306.399975	333.621491	7.52937E-06	0.009836372
1306.439975	284.212295	6.41428E-06	0.008379866
1306.479975	227.911693	5.14365E-06	0.006720075
1306.519975	174.083509	3.92882E-06	0.005133085
1306.559975	158.527149	3.57774E-06	0.004674528
1306.599975	182.139264	4.11063E-06	0.005370948
1306.639975	216.519543	4.88654E-06	0.006384954
1306.679975	228.124075	5.14844E-06	0.006727367
1306.719975	263.017504	5.93594E-06	0.00775661
1306.759975	290.219756	6.54986E-06	0.008559089
1306.799975	304.958728	6.88249E-06	0.008994043
1306.839975	324.233408	7.3175E-06	0.009562797
1306.879975	302.194057	6.8201E-06	0.008913051
1306.919975	246.660176	5.56678E-06	0.007275332
1306.959975	230.70071	5.20659E-06	0.00680481
1306.999975	255.703242	5.77087E-06	0.007542522
1307.039975	269.549934	6.08337E-06	0.007951203
1307.079975	285.329915	6.4395E-06	0.00841694
1307.119975	295.515811	6.66938E-06	0.00871768
1307.159975	296.976095	6.70234E-06	0.008761026
1307.199975	300.241602	6.77603E-06	0.008857632
1307.239975	326.93197	7.3784E-06	0.009645338
1307.279975	367.049406	8.28379E-06	0.010829238
1307.319975	373.94815	8.43949E-06	0.011033112
1307.359975	341.578533	7.70895E-06	0.010078375

1307.399975	294.720428	6.65143E-06	0.008696079
1307.439975	248.753303	5.61402E-06	0.007339988
1307.479975	219.068345	4.94407E-06	0.006464269
1307.519975	186.526009	4.20963E-06	0.005504178
1307.559975	171.095502	3.86139E-06	0.005048995
1307.599975	184.08929	4.15464E-06	0.005432606
1307.639975	174.83223	3.94572E-06	0.005159581
1307.679975	168.392756	3.80039E-06	0.004969694
1307.719975	171.372023	3.86763E-06	0.005057774
1307.759975	199.666892	4.5062E-06	0.005893033
1307.799975	241.252835	5.44474E-06	0.007120631
1307.839975	243.350153	5.49207E-06	0.007182754
1307.879975	233.881171	5.27837E-06	0.006903477
1307.919975	212.6688	4.79964E-06	0.006277543
1307.959975	187.920822	4.24111E-06	0.005547204
1307.999975	187.055494	4.22158E-06	0.005521829
1308.039975	195.916056	4.42155E-06	0.005783567
1308.079975	207.550163	4.68412E-06	0.006127201
1308.119975	223.181038	5.03689E-06	0.00658885
1308.159975	251.189521	5.669E-06	0.007415956
1308.199975	288.373911	6.5082E-06	0.008514024
1308.239975	305.278501	6.88971E-06	0.009013395
1308.279975	309.026754	6.9743E-06	0.009124341
1308.319975	287.843138	6.49622E-06	0.008499133
1308.359975	258.587549	5.83596E-06	0.007635538
1308.399975	230.556768	5.20335E-06	0.006808057
1308.439975	216.269451	4.8809E-06	0.006386365
1308.479975	209.580737	4.72995E-06	0.006189039
1308.519975	209.572934	4.72977E-06	0.006188997
1308.559975	198.533199	4.48062E-06	0.005863157
1308.599975	181.332401	4.09242E-06	0.00535534
1308.639975	176.262069	3.97799E-06	0.005205756
1308.679975	199.314807	4.49826E-06	0.00588678
1308.719975	206.819758	4.66763E-06	0.006108626
1308.759975	195.965068	4.42266E-06	0.005788199
1308.799975	187.679743	4.23567E-06	0.005543645
1308.839975	188.990349	4.26525E-06	0.005582528
1308.879975	200.945226	4.53505E-06	0.005935841
1308.919975	206.671567	4.66429E-06	0.006105182
1308.959975	226.223559	5.10555E-06	0.006682961
1308.999975	231.395667	5.22228E-06	0.006835962
1309.039975	240.401759	5.42553E-06	0.007102239
1309.079975	269.116911	6.07359E-06	0.00795082
1309.119975	312.921139	7.06219E-06	0.00924526
1309.159975	323.366787	7.29794E-06	0.009554168
1309.199975	315.768733	7.12646E-06	0.009329962

1309.239975	337.978954	7.62771E-06	0.009986508
1309.279975	331.38296	7.47885E-06	0.009791911
1309.319975	297.41748	6.7123E-06	0.008788546
1309.359975	277.451282	6.26169E-06	0.008198805
1309.399975	262.284201	5.91939E-06	0.007750848
1309.439975	226.750429	5.11744E-06	0.006700982
1309.479975	211.763028	4.7792E-06	0.006258262
1309.519975	200.510375	4.52524E-06	0.005925892
1309.559975	188.671707	4.25806E-06	0.005576182
1309.599975	181.708482	4.10091E-06	0.005370548
1309.639975	182.909275	4.12801E-06	0.005406204
1309.679975	196.66593	4.43848E-06	0.005812983
1309.719975	212.159342	4.78814E-06	0.006271124
1309.759975	210.102927	4.74173E-06	0.006210529
1309.799975	198.951354	4.49005E-06	0.005881074
1309.839975	178.639318	4.03164E-06	0.005280804
1309.879975	178.70214	4.03306E-06	0.005282822
1309.919975	190.18601	4.29223E-06	0.005622482
1309.959975	197.847235	4.46514E-06	0.00584915
1309.999975	193.765144	4.37301E-06	0.005728642
1310.039975	188.349515	4.25079E-06	0.0055687
1310.079975	187.992298	4.24272E-06	0.005558308
1310.119975	204.059447	4.60534E-06	0.006033545
1310.159975	248.070585	5.59861E-06	0.007335072
1310.199975	264.942142	5.97938E-06	0.007834177
1310.239975	262.384524	5.92165E-06	0.007758787
1310.279975	272.362707	6.14685E-06	0.00805409
1310.319975	283.113492	6.38948E-06	0.00837226
1310.359975	278.804836	6.29224E-06	0.008245095
1310.399975	269.640236	6.0854E-06	0.007974314
1310.439975	274.351162	6.19172E-06	0.008113882
1310.479975	241.536602	5.45114E-06	0.007143616
1310.519975	180.3682	4.07066E-06	0.00533468
1310.559975	151.71294	3.42395E-06	0.004487291
1310.599975	169.273761	3.82027E-06	0.00500685
1310.639975	186.096666	4.19994E-06	0.005504613
1310.679975	202.754232	4.57588E-06	0.005997515
1310.719975	203.496161	4.59262E-06	0.006019645
1310.759975	198.080727	4.47041E-06	0.005859629
1310.799975	203.430061	4.59113E-06	0.006018057
1310.839975	200.222358	4.51874E-06	0.005923345
1310.879975	186.340767	4.20545E-06	0.005512842
1310.919975	178.749546	4.03413E-06	0.005288419
1310.959975	197.34687	4.45384E-06	0.005838811
1310.999975	228.508504	5.15712E-06	0.006760982
1311.039975	248.431573	5.60675E-06	0.007350679

1311.079975	250.177937	5.64617E-06	0.007402577
1311.119975	256.076603	5.77929E-06	0.007577346
1311.159975	301.565054	6.8059E-06	0.008923628
1311.199975	340.45914	7.68369E-06	0.010074852
1311.239975	350.708314	7.915E-06	0.010378462
1311.279975	330.40634	7.45681E-06	0.009777967
1311.319975	301.301363	6.79995E-06	0.008916913
1311.359975	288.321076	6.50701E-06	0.008533026
1311.399975	262.440555	5.92292E-06	0.007767314
1311.439975	252.329517	5.69473E-06	0.007468291
1311.479975	246.265616	5.55787E-06	0.007289038
1311.519975	226.764242	5.11775E-06	0.006712035
1311.559975	196.266058	4.42945E-06	0.005809491
1311.599975	171.355212	3.86725E-06	0.005072283
1311.639975	172.029921	3.88248E-06	0.00509241
1311.679975	173.528142	3.91629E-06	0.005136917
1311.719975	171.564869	3.87198E-06	0.005078954
1311.759975	172.427816	3.89146E-06	0.005104656
1311.799975	160.513289	3.62256E-06	0.004752076
1311.839975	160.574611	3.62395E-06	0.004754036
1311.879975	182.295571	4.11416E-06	0.00539728
1311.919975	188.242141	4.24836E-06	0.005573512
1311.959975	168.989115	3.81385E-06	0.005003617
1311.999975	162.6843	3.67156E-06	0.004817084
1312.039975	169.15861	3.81767E-06	0.005008941
1312.079975	184.432747	4.16239E-06	0.005461389
1312.119975	204.257991	4.60982E-06	0.006048635
1312.159975	228.383698	5.1543E-06	0.006763269
1312.199975	270.554892	6.10605E-06	0.008012355
1312.239975	293.726887	6.62901E-06	0.008698848
1312.279975	299.648611	6.76265E-06	0.008874493
1312.319975	299.31005	6.75501E-06	0.008864736
1312.359975	292.248435	6.59564E-06	0.008655854
1312.399975	254.951011	5.75389E-06	0.007551404
1312.439975	210.066874	4.74092E-06	0.006222169
1312.479975	203.342145	4.58915E-06	0.006023166
1312.519975	220.542733	4.97734E-06	0.006532861
1312.559975	190.355279	4.29605E-06	0.005638828
1312.599975	153.223557	3.45804E-06	0.004539026
1312.639975	147.285458	3.32403E-06	0.004363252
1312.679975	169.105711	3.81648E-06	0.005009817
1312.719975	215.823887	4.87084E-06	0.006394055
1312.759975	245.656961	5.54414E-06	0.007278119
1312.799975	240.774675	5.43395E-06	0.007133688
1312.839975	211.486342	4.77295E-06	0.006266122
1312.879975	180.238146	4.06772E-06	0.005340433

1312.919975	174.312298	3.93399E-06	0.005165008
1312.959975	165.399814	3.73284E-06	0.004901074
1312.999975	165.02737	3.72444E-06	0.004890187
1313.039975	192.966912	4.35499E-06	0.005718282
1313.079975	234.716795	5.29723E-06	0.006955688
1313.119975	280.92793	6.34015E-06	0.00832538
1313.159975	318.932245	7.19786E-06	0.009451937
1313.199975	317.577494	7.16728E-06	0.009412074
1313.239975	293.825758	6.63124E-06	0.008708407
1313.279975	284.97466	6.43148E-06	0.008446335
1313.319975	270.394229	6.10242E-06	0.008014432
1313.359975	236.97701	5.34824E-06	0.007024166
1313.399975	232.294784	5.24257E-06	0.006885591
1313.439975	234.455481	5.29133E-06	0.006949849
1313.479975	242.890457	5.4817E-06	0.007200102
1313.519975	237.093615	5.35087E-06	0.007028478
1313.559975	203.805113	4.5996E-06	0.006041847
1313.599975	176.99782	3.99459E-06	0.005247299
1313.639975	169.127377	3.81697E-06	0.005014123
1313.679975	172.453026	3.89202E-06	0.005112875
1313.719975	169.023841	3.81463E-06	0.005011359
1313.759975	166.346207	3.7542E-06	0.004932121
1313.799975	171.103969	3.86158E-06	0.005073341
1313.839975	189.69358	4.28112E-06	0.005624706
1313.879975	203.446665	4.59151E-06	0.00603269
1313.919975	184.043646	4.15361E-06	0.005457509
1313.959975	173.415296	3.91374E-06	0.0051425
1313.999975	191.988507	4.33291E-06	0.005693448
1314.039975	205.062808	4.62798E-06	0.006081353
1314.079975	207.930847	4.69271E-06	0.006166596
1314.119975	220.223819	4.97014E-06	0.006531367
1314.159975	243.59452	5.49759E-06	0.007224711
1314.199975	264.453354	5.96834E-06	0.007843597
1314.239975	287.260406	6.48307E-06	0.008520306
1314.279975	296.872637	6.7E-06	0.008805678
1314.319975	286.426321	6.46424E-06	0.008496084
1314.359975	267.046107	6.02686E-06	0.007921462
1314.399975	238.259783	5.37719E-06	0.00706778
1314.439975	221.970587	5.00957E-06	0.006584775
1314.479975	213.747633	4.82399E-06	0.006341033
1314.519975	212.278053	4.79082E-06	0.006297629
1314.559975	205.401012	4.63561E-06	0.006093794
1314.599975	194.475469	4.38904E-06	0.005769832
1314.639975	200.895059	4.53392E-06	0.005960475
1314.679975	233.135307	5.26154E-06	0.00691724
1314.719975	265.820066	5.99919E-06	0.007887253

1314.759975	275.439096	6.21628E-06	0.008172912
1314.799975	294.488802	6.6462E-06	0.008738426
1314.839975	323.558906	7.30227E-06	0.009601322
1314.879975	331.191631	7.47453E-06	0.009828115
1314.919975	353.948831	7.98813E-06	0.010503754
1314.959975	399.279504	9.01118E-06	0.011849344
1314.999975	450.965236	1.01777E-05	0.013383619
1315.039975	514.61202	1.16141E-05	0.015272975
1315.079975	600.371982	1.35496E-05	0.017818754
1315.119975	716.782366	1.61768E-05	0.021274406
1315.159975	857.115127	1.93439E-05	0.025440316
1315.199975	1030.170528	2.32495E-05	0.03057776
1315.239975	1228.095451	2.77164E-05	0.036453722
1315.279975	1390.472234	3.1381E-05	0.041274829
1315.319975	1455.269669	3.28434E-05	0.043199592
1315.359975	1413.843774	3.19085E-05	0.041971144
1315.399975	1262.834935	2.85004E-05	0.037489459
1315.439975	1031.530996	2.32802E-05	0.030623729
1315.479975	733.561115	1.65555E-05	0.021778366
1315.519975	481.561287	1.08682E-05	0.014297291
1315.559975	329.30999	7.43207E-06	0.009777331
1315.599975	248.554536	5.60953E-06	0.007379897
1315.639975	242.309363	5.46858E-06	0.007194689
1315.679975	250.459932	5.65253E-06	0.007436923
1315.719975	244.797823	5.52475E-06	0.007269019
1315.759975	244.730185	5.52322E-06	0.007267231
1315.799975	254.462959	5.74287E-06	0.007556474
1315.839975	247.377983	5.58298E-06	0.007346304
1315.879975	232.63382	5.25022E-06	0.006908661
1315.919975	235.354236	5.31162E-06	0.006989663
1315.959975	267.484274	6.03675E-06	0.007944118
1315.999975	339.708409	7.66675E-06	0.010089437
1316.039975	393.150285	8.87285E-06	0.011677031
1316.079975	417.475962	9.42185E-06	0.012399909
1316.119975	471.50991	1.06413E-05	0.014005256
1316.159975	573.751966	1.29488E-05	0.01704267
1316.199975	645.660222	1.45717E-05	0.019179208
1316.239975	726.506185	1.63962E-05	0.021581377
1316.279975	805.592162	1.81811E-05	0.023931409
1316.319975	867.304984	1.95739E-05	0.02576547
1316.359975	837.06442	1.88914E-05	0.024867854
1316.399975	720.320949	1.62566E-05	0.021400241
1316.439975	583.579749	1.31706E-05	0.017338281
1316.479975	460.492479	1.03927E-05	0.013681747
1316.519975	339.138784	7.65389E-06	0.010076499
1316.559975	256.530778	5.78954E-06	0.00762228

1316.599975	226.773476	5.11796E-06	0.006738308
1316.639975	200.474085	4.52442E-06	0.005957033
1316.679975	185.126626	4.17805E-06	0.005501155
1316.719975	194.192166	4.38265E-06	0.005770718
1316.759975	210.219922	4.74437E-06	0.006247198
1316.799975	219.757536	4.95962E-06	0.006530829
1316.839975	254.981674	5.75458E-06	0.007577863
1316.879975	272.200562	6.14319E-06	0.008089841
1316.919975	258.20516	5.82733E-06	0.007674128
1316.959975	229.136006	5.17128E-06	0.006810369
1316.999975	204.493274	4.61513E-06	0.006078124
1317.039975	243.072524	5.48581E-06	0.007225029
1317.079975	284.896294	6.42971E-06	0.008468446
1317.119975	322.91013	7.28763E-06	0.009598685
1317.159975	366.221843	8.26512E-06	0.010886481
1317.199975	406.201055	9.16739E-06	0.012075289
1317.239975	455.889915	1.02888E-05	0.013552819
1317.279975	513.438014	1.15876E-05	0.015264088
1317.319975	564.005656	1.27288E-05	0.016767932
1317.359975	552.543263	1.24701E-05	0.016427653
1317.399975	465.557397	1.0507E-05	0.013841898
1317.439975	370.204168	8.35499E-06	0.011007201
1317.479975	291.124915	6.57028E-06	0.008656217
1317.519975	229.169686	5.17204E-06	0.006814267
1317.559975	197.674807	4.46125E-06	0.005877958
1317.599975	185.219048	4.18014E-06	0.005507747
1317.639975	168.541866	3.80376E-06	0.00501198
1317.679975	157.689892	3.55884E-06	0.004689414
1317.719975	163.308203	3.68564E-06	0.00485664
1317.759975	182.960853	4.12917E-06	0.005441257
1317.799975	186.626198	4.21189E-06	0.005550433
1317.839975	200.55934	4.52634E-06	0.005964998
1317.879975	219.833794	4.96134E-06	0.006538454
1317.919975	201.361212	4.54444E-06	0.005989211
1317.959975	193.266205	4.36175E-06	0.005748611
1317.999975	214.198949	4.83417E-06	0.006371438
1318.039975	196.279059	4.42974E-06	0.005838581
1318.079975	192.897335	4.35342E-06	0.005738161
1318.119975	226.783979	5.1182E-06	0.0067464
1318.159975	259.492182	5.85638E-06	0.007719642
1318.199975	299.51759	6.75969E-06	0.00891063
1318.239975	328.251983	7.40819E-06	0.009765772
1318.279975	337.292103	7.61221E-06	0.010035028
1318.319975	328.168551	7.40631E-06	0.009763883
1318.359975	316.674839	7.14691E-06	0.0094222
1318.399975	294.553078	6.64765E-06	0.008764265

1318.439975	281.843539	6.36082E-06	0.008386354
1318.479975	265.974617	6.00268E-06	0.007914409
1318.519975	227.986474	5.14534E-06	0.00678423
1318.559975	188.063982	4.24434E-06	0.00559642
1318.599975	178.610282	4.03099E-06	0.005315257
1318.639975	180.803094	4.08047E-06	0.005380676
1318.679975	177.229208	3.99982E-06	0.005274478
1318.719975	201.643129	4.5508E-06	0.006001237
1318.759975	242.716013	5.47776E-06	0.007223854
1318.799975	245.095379	5.53146E-06	0.007294891
1318.839975	228.260188	5.15151E-06	0.006794023
1318.879975	210.941637	4.76066E-06	0.006278738
1318.919975	198.208198	4.47328E-06	0.005899902
1318.959975	177.860018	4.01405E-06	0.005294375
1318.999975	199.40862	4.50037E-06	0.005935994
1319.039975	238.587465	5.38459E-06	0.007102485
1319.079975	238.318581	5.37852E-06	0.007094696
1319.119975	241.532241	5.45105E-06	0.007190584
1319.159975	251.887155	5.68474E-06	0.007499084
1319.199975	279.871393	6.31631E-06	0.008332473
1319.239975	309.575641	6.98669E-06	0.009217122
1319.279975	303.692468	6.85392E-06	0.009042234
1319.319975	286.002338	6.45467E-06	0.008515781
1319.359975	275.065771	6.20785E-06	0.008190391
1319.399975	266.600456	6.0168E-06	0.007938567
1319.439975	251.09944	5.66696E-06	0.00747722
1319.479975	222.393575	5.01911E-06	0.006622619
1319.519975	210.084982	4.74133E-06	0.006256274
1319.559975	212.399841	4.79357E-06	0.006325401
1319.599975	206.905069	4.66956E-06	0.00616195
1319.639975	182.915048	4.12814E-06	0.005447656
1319.679975	164.640298	3.7157E-06	0.004903538
1319.719975	171.123324	3.86202E-06	0.005096778
1319.759975	183.673061	4.14525E-06	0.005470729
1319.799975	191.967885	4.33245E-06	0.005717964
1319.839975	193.780344	4.37335E-06	0.005772125
1319.879975	202.505994	4.57028E-06	0.006032219
1319.919975	206.647286	4.66374E-06	0.006155765
1319.959975	208.256436	4.70006E-06	0.006203888
1319.999975	208.442577	4.70426E-06	0.006209621
1320.039975	192.108124	4.33561E-06	0.005723182
1320.079975	188.08325	4.24478E-06	0.005603445
1320.119975	212.110271	4.78703E-06	0.006319458
1320.159975	248.60088	5.61058E-06	0.007406857
1320.199975	244.368202	5.51505E-06	0.007280969
1320.239975	232.886091	5.25591E-06	0.006939069

1320.279975	252.449807	5.69744E-06	0.007522217
1320.319975	270.414577	6.10288E-06	0.008057755
1320.359975	271.236342	6.12143E-06	0.008082486
1320.399975	242.19791	5.46607E-06	0.007217398
1320.439975	225.226304	5.08304E-06	0.006711854
1320.479975	203.160855	4.58506E-06	0.006054477
1320.519975	185.327932	4.18259E-06	0.005523198
1320.559975	174.655124	3.94172E-06	0.005205281
1320.599975	163.321873	3.68595E-06	0.004867662
1320.639975	154.752334	3.49254E-06	0.004612394
1320.679975	157.856296	3.5626E-06	0.00470505
1320.719975	165.191424	3.72814E-06	0.004923829
1320.759975	166.810249	3.76467E-06	0.004972232
1320.799975	164.522554	3.71304E-06	0.00490419
1320.839975	180.640905	4.07681E-06	0.005384818
1320.879975	190.765867	4.30532E-06	0.005686811
1320.919975	190.969041	4.30991E-06	0.00569304
1320.959975	202.823316	4.57744E-06	0.006046615
1320.999975	202.712436	4.57494E-06	0.006043492
1321.039975	207.099329	4.67394E-06	0.006174466
1321.079975	211.082674	4.76384E-06	0.006293416
1321.119975	226.865328	5.12003E-06	0.00676418
1321.159975	265.053039	5.98188E-06	0.007903018
1321.199975	287.51811	6.48888E-06	0.008573112
1321.239975	302.157142	6.81927E-06	0.009009887
1321.279975	304.34325	6.8686E-06	0.009075348
1321.319975	309.373431	6.98213E-06	0.009225624
1321.359975	288.484052	6.51068E-06	0.008602956
1321.399975	241.315665	5.44616E-06	0.007196554
1321.439975	233.034683	5.25927E-06	0.006949807
1321.479975	229.021081	5.16869E-06	0.006830316
1321.519975	244.496719	5.51795E-06	0.007292082
1321.559975	223.949622	5.05423E-06	0.006679469
1321.599975	171.996043	3.88171E-06	0.005130069
1321.639975	164.039244	3.70214E-06	0.004892893
1321.679975	179.055003	4.04102E-06	0.005340938
1321.719975	206.177617	4.65314E-06	0.00615015
1321.759975	215.473712	4.86294E-06	0.006427642
1321.799975	201.596315	4.54975E-06	0.006013857
1321.839975	203.611752	4.59523E-06	0.006074164
1321.879975	197.573924	4.45897E-06	0.005894221
1321.919975	190.322277	4.29531E-06	0.005678054
1321.959975	188.214315	4.24773E-06	0.005615336
1321.999975	172.546815	3.89414E-06	0.005148055
1322.039975	179.861238	4.05922E-06	0.005366448
1322.079975	200.892516	4.53386E-06	0.005994131

1322.119975	223.562954	5.0455E-06	0.006670762
1322.159975	247.198558	5.57893E-06	0.007376234
1322.199975	255.623996	5.76908E-06	0.007627874
1322.239975	277.086645	6.25346E-06	0.008268574
1322.279975	308.495787	6.96232E-06	0.009206137
1322.319975	318.443102	7.18682E-06	0.009503272
1322.359975	299.830124	6.76675E-06	0.008948077
1322.399975	258.71484	5.83883E-06	0.007721273
1322.439975	236.85629	5.34552E-06	0.007069125
1322.479975	234.87743	5.30086E-06	0.007010276
1322.519975	235.284579	5.31005E-06	0.007022641
1322.559975	216.597488	4.8883E-06	0.006465075
1322.599975	188.818255	4.26137E-06	0.005636081
1322.639975	178.240245	4.02263E-06	0.005320497
1322.679975	168.850193	3.81071E-06	0.005040355
1322.719975	179.134965	4.04283E-06	0.005347528
1322.759975	220.678266	4.9804E-06	0.006587875
1322.799975	236.880771	5.34607E-06	0.00707178
1322.839975	232.732941	5.25246E-06	0.006948162
1322.879975	226.847307	5.11963E-06	0.006772653
1322.919975	225.621125	5.09195E-06	0.006736248
1322.959975	217.153631	4.90085E-06	0.006483635
1322.999975	204.998206	4.62652E-06	0.006120891
1323.039975	201.06491	4.53775E-06	0.006003631
1323.079975	208.728803	4.71072E-06	0.006232657
1323.119975	204.260443	4.60987E-06	0.006099416
1323.159975	215.001637	4.85229E-06	0.006420353
1323.199975	256.773281	5.79502E-06	0.007667964
1323.239975	286.589352	6.46792E-06	0.008558614
1323.279975	294.57699	6.64819E-06	0.00879742
1323.319975	284.384668	6.41817E-06	0.008493287
1323.359975	275.780466	6.22398E-06	0.008236567
1323.399975	260.449434	5.87798E-06	0.00777892
1323.439975	231.831554	5.23212E-06	0.00692439
1323.479975	210.454856	4.74967E-06	0.006286097
1323.519975	184.611616	4.16643E-06	0.005514349
1323.559975	170.016169	3.83703E-06	0.005078537
1323.599975	144.291451	3.25646E-06	0.004310246
1323.639975	141.800717	3.20024E-06	0.004235972
1323.679975	157.76094	3.56044E-06	0.004712889
1323.719975	174.991594	3.94932E-06	0.005227789
1323.759975	186.957447	4.21937E-06	0.005585432
1323.799975	186.754515	4.21479E-06	0.005579538
1323.839975	171.443975	3.86925E-06	0.00512227
1323.879975	145.807576	3.29067E-06	0.004356457
1323.919975	141.57848	3.19523E-06	0.004230228

1323.959975	159.296795	3.59511E-06	0.004759777
1323.999975	167.043889	3.76995E-06	0.004991411
1324.039975	176.702	3.98792E-06	0.005280163
1324.079975	182.225522	4.11258E-06	0.00544538
1324.119975	195.046353	4.40192E-06	0.005828676
1324.159975	203.619931	4.59542E-06	0.006085069
1324.199975	218.741806	4.9367E-06	0.006537175
1324.239975	254.26427	5.73839E-06	0.007599006
1324.279975	273.862696	6.1807E-06	0.008184977
1324.319975	265.01367	5.98099E-06	0.007920744
1324.359975	250.585933	5.65538E-06	0.007489753
1324.399975	244.846882	5.52585E-06	0.00731844
1324.439975	235.162791	5.3073E-06	0.007029196
1324.479975	219.405332	4.95167E-06	0.006558391
1324.519975	198.630957	4.48282E-06	0.00593759
1324.559975	166.267027	3.75242E-06	0.004970299
1324.599975	142.804136	3.22289E-06	0.004269041
1324.639975	143.12376	3.2301E-06	0.004278725
1324.679975	155.305401	3.50503E-06	0.004643039
1324.719975	179.732066	4.0563E-06	0.005373465
1324.759975	201.561457	4.54896E-06	0.006026282
1324.799975	206.435593	4.65896E-06	0.006172195
1324.839975	219.23766	4.94789E-06	0.006555161
1324.879975	210.452607	4.74962E-06	0.006292679
1324.919975	190.025163	4.2886E-06	0.005682056
1324.959975	179.337911	4.04741E-06	0.005362652
1324.999975	178.964289	4.03897E-06	0.005351641
1325.039975	180.92135	4.08314E-06	0.005410328
1325.079975	201.681702	4.55168E-06	0.006031334
1325.119975	250.812334	5.66049E-06	0.007500822
1325.159975	272.155853	6.14218E-06	0.008139369
1325.199975	285.498831	6.44331E-06	0.008538676
1325.239975	320.840685	7.24093E-06	0.009595966
1325.279975	344.448853	7.77373E-06	0.01030237
1325.319975	345.18217	7.79028E-06	0.010324615
1325.359975	303.755268	6.85533E-06	0.009085784
1325.399975	261.472999	5.90108E-06	0.007821293
1325.439975	228.930712	5.16665E-06	0.006848081
1325.479975	202.329319	4.56629E-06	0.006052527
1325.519975	183.274957	4.13626E-06	0.005482696
1325.559975	171.519654	3.87096E-06	0.005131189
1325.599975	150.695615	3.40099E-06	0.004508352
1325.639975	159.511004	3.59994E-06	0.004772226
1325.679975	170.761979	3.85386E-06	0.005108985
1325.719975	159.576871	3.60143E-06	0.004774485
1325.759975	141.928879	3.20314E-06	0.004246591

1325.799975	148.333866	3.34769E-06	0.004438366
1325.839975	181.20183	4.08947E-06	0.005421987
1325.879975	199.541683	4.50338E-06	0.005970939
1325.919975	196.207044	4.42812E-06	0.005871332
1325.959975	200.1445	4.51698E-06	0.005989338
1325.999975	200.449739	4.52387E-06	0.005998653
1326.039975	187.126219	4.22318E-06	0.005600103
1326.079975	188.426595	4.25253E-06	0.005639189
1326.119975	186.670939	4.2129E-06	0.005586815
1326.159975	196.614125	4.43731E-06	0.005884579
1326.199975	244.672103	5.52191E-06	0.007323155
1326.239975	298.348899	6.73332E-06	0.008929997
1326.279975	321.657366	7.25936E-06	0.009627942
1326.319975	313.177277	7.06797E-06	0.009374396
1326.359975	267.727239	6.04223E-06	0.008014173
1326.399975	241.397185	5.448E-06	0.007226225
1326.439975	228.218448	5.15057E-06	0.006831925
1326.479975	210.963638	4.76116E-06	0.006315577
1326.519975	195.272666	4.40703E-06	0.005846016
1326.559975	191.499954	4.32189E-06	0.005733243
1326.599975	184.445945	4.16269E-06	0.005522222
1326.639975	178.620141	4.03121E-06	0.005347961
1326.679975	185.976715	4.19724E-06	0.005568388
1326.719975	183.420311	4.13954E-06	0.005492012
1326.759975	180.865704	4.08189E-06	0.005415684
1326.799975	192.497111	4.34439E-06	0.005764139
1326.839975	198.935676	4.4897E-06	0.005957115
1326.879975	186.703271	4.21363E-06	0.005590985
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1326.999975	171.901968	3.87959E-06	0.005148213
1327.039975	181.114294	4.0875E-06	0.005424272
1327.079975	207.268681	4.67777E-06	0.006207769
1327.119975	231.34498	5.22113E-06	0.006929071
1327.159975	251.988316	5.68703E-06	0.007547592
1327.199975	267.136078	6.02889E-06	0.008001542
1327.239975	289.292718	6.52893E-06	0.008665462
1327.279975	306.709887	6.92201E-06	0.009187452
1327.319975	326.546357	7.3697E-06	0.009781945
1327.359975	334.17864	7.54195E-06	0.010010878
1327.399975	301.011213	6.7934E-06	0.009017564
1327.439975	246.904473	5.57229E-06	0.007396881
1327.479975	214.872315	4.84937E-06	0.00643744
1327.519975	197.381794	4.45463E-06	0.005913613
1327.559975	181.255429	4.09068E-06	0.005430626
1327.599975	175.943415	3.9708E-06	0.005271631

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1327.759975	169.153547	3.81756E-06	0.005068803
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1327.839975	173.072754	3.90601E-06	0.005186558
1327.879975	170.070525	3.83825E-06	0.005096742
1327.919975	160.458475	3.62132E-06	0.004808829
1327.959975	139.762671	3.15425E-06	0.004188716
1327.999975	170.492798	3.84778E-06	0.005109858
1328.039975	230.81659	5.20921E-06	0.006918038
1328.079975	229.461631	5.17863E-06	0.006877634
1328.119975	225.192692	5.08229E-06	0.006749885
1328.159975	237.91276	5.36936E-06	0.007131369
1328.199975	241.326197	5.4464E-06	0.007233903
1328.239975	271.201781	6.12065E-06	0.008129687
1328.279975	280.995856	6.34169E-06	0.008423533
1328.319975	273.288766	6.16775E-06	0.008192741
1328.359975	256.556045	5.79011E-06	0.007691354
1328.399975	216.124498	4.87763E-06	0.006479442
1328.439975	192.502574	4.34451E-06	0.005771427
1328.479975	182.759559	4.12463E-06	0.005479487
1328.519975	167.808268	3.7872E-06	0.005031369
1328.559975	163.841611	3.69768E-06	0.004912586
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1328.639975	155.553183	3.51062E-06	0.004664348
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1328.719975	153.475261	3.46372E-06	0.004602318
1328.759975	178.628841	4.0314E-06	0.005356768
1328.799975	201.4522	4.5465E-06	0.006041383
1328.839975	221.479603	4.99849E-06	0.006642188
1328.879975	214.656566	4.8445E-06	0.006437759
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1328.999975	192.272008	4.33931E-06	0.005766945
1329.039975	214.219749	4.83464E-06	0.006425432
1329.079975	210.64837	4.75404E-06	0.0063185
1329.119975	209.017641	4.71724E-06	0.006269774
1329.159975	242.700416	5.47741E-06	0.007280355
1329.199975	248.428853	5.60669E-06	0.007452416
1329.239975	249.847705	5.63871E-06	0.007495205
1329.279975	266.91623	6.02393E-06	0.008007486
1329.319975	264.477077	5.96888E-06	0.00793455
1329.359975	256.317017	5.78472E-06	0.007689973
1329.399975	235.738949	5.3203E-06	0.007072806
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1329.479975	167.078395	3.77073E-06	0.005013106
1329.519975	162.190691	3.66042E-06	0.004866599
1329.559975	160.951706	3.63246E-06	0.004829568
1329.599975	164.794944	3.71919E-06	0.004945038
1329.639975	159.253406	3.59413E-06	0.004778896
1329.679975	160.187418	3.61521E-06	0.004807068
1329.719975	172.176314	3.88578E-06	0.005166999
1329.759975	189.35288	4.27343E-06	0.005682637
1329.799975	190.532541	4.30005E-06	0.005718212
1329.839975	180.179471	4.0664E-06	0.005407661
1329.879975	183.807366	4.14828E-06	0.005516709
1329.919975	184.005592	4.15275E-06	0.005522825
1329.959975	183.638405	4.14446E-06	0.00551197
1329.999975	208.750202	4.7112E-06	0.006265898
1330.039975	209.627492	4.731E-06	0.00629242
1330.079975	219.494025	4.95367E-06	0.006588783
1330.119975	247.871785	5.59412E-06	0.007440852
1330.159975	274.672712	6.19898E-06	0.008245636
1330.199975	284.868579	6.42909E-06	0.008551971
1330.239975	290.167975	6.54869E-06	0.008711325
1330.279975	266.763225	6.02047E-06	0.008008917
1330.319975	243.693868	5.49983E-06	0.007316535
1330.359975	229.451847	5.17841E-06	0.006889148
1330.399975	220.435861	4.97493E-06	0.006618647
1330.439975	218.801974	4.93806E-06	0.006569787
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1330.519975	187.676089	4.23559E-06	0.005635534
1330.559975	174.994599	3.94938E-06	0.005254893
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1330.639975	157.414609	3.55263E-06	0.004727269
1330.679975	179.118601	4.04246E-06	0.005379217
1330.719975	190.813301	4.30639E-06	0.0057306
1330.759975	208.741446	4.711E-06	0.006269215
1330.799975	230.535103	5.20286E-06	0.006923961
1330.839975	231.35325	5.22132E-06	0.006948742
1330.879975	223.813023	5.05115E-06	0.006722472
1330.919975	214.054762	4.83092E-06	0.006429565
1330.959975	200.290885	4.52029E-06	0.00601632
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1331.039975	216.282202	4.88119E-06	0.006497056
1331.079975	208.966278	4.71608E-06	0.006277477
1331.119975	212.17385	4.78847E-06	0.006374026
1331.159975	211.751782	4.77894E-06	0.006361537
1331.199975	229.408154	5.17742E-06	0.006892185
1331.239975	264.131754	5.96109E-06	0.007935636
1331.279975	270.790151	6.11136E-06	0.008135927

1331.319975	252.359092	5.69539E-06	0.007582391
1331.359975	236.324335	5.33351E-06	0.007100823
1331.399975	240.040463	5.41738E-06	0.007212698
1331.439975	243.844106	5.50322E-06	0.00732721
1331.479975	225.04085	5.07886E-06	0.006762398
1331.519975	196.199791	4.42796E-06	0.005895912
1331.559975	167.260155	3.77483E-06	0.005026411
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1331.759975	158.02427	3.56639E-06	0.004749572
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1331.839975	156.290704	3.52726E-06	0.004697751
1331.879975	153.131297	3.45596E-06	0.004602924
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1331.959975	152.621815	3.44446E-06	0.004587885
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1332.039975	168.414163	3.80087E-06	0.005062915
1332.079975	187.740436	4.23704E-06	0.005644076
1332.119975	215.210883	4.85701E-06	0.00647012
1332.159975	234.50155	5.29237E-06	0.007050288
1332.199975	268.870964	6.06804E-06	0.008083847
1332.239975	310.573419	7.00921E-06	0.009337949
1332.279975	313.0681	7.06551E-06	0.009413239
1332.319975	302.370831	6.82409E-06	0.009091869
1332.359975	301.201392	6.7977E-06	0.009056978
1332.399975	291.246106	6.57302E-06	0.00875789
1332.439975	251.648054	5.67935E-06	0.007567388
1332.479975	217.852866	4.91664E-06	0.006551319
1332.519975	205.031251	4.62727E-06	0.006165929
1332.559975	199.067713	4.49268E-06	0.005986767
1332.599975	173.147905	3.90771E-06	0.00520741
1332.639975	169.874603	3.83383E-06	0.005109119
1332.679975	181.539386	4.09709E-06	0.005460111
1332.719975	201.622639	4.55034E-06	0.006064332
1332.759975	242.583784	5.47478E-06	0.007296565
1332.799975	257.987599	5.82242E-06	0.007760122
1332.839975	217.539245	4.90956E-06	0.006543655
1332.879975	204.935376	4.62511E-06	0.006164711
1332.919975	201.183398	4.54043E-06	0.006052029
1332.959975	212.9423	4.80581E-06	0.006405954
1332.999975	230.523098	5.20259E-06	0.006935046
1333.039975	227.985958	5.14533E-06	0.006858925
1333.079975	221.646044	5.00224E-06	0.006668389
1333.119975	230.065049	5.19225E-06	0.006921889

1333.159975	232.333465	5.24344E-06	0.006990348
1333.199975	236.730916	5.34269E-06	0.00712287
1333.239975	254.413771	5.74176E-06	0.00765515
1333.279975	276.661364	6.24386E-06	0.008324816
1333.319975	279.748288	6.31353E-06	0.008417955
1333.359975	256.519901	5.7893E-06	0.007719217
1333.399975	242.154818	5.4651E-06	0.00728716
1333.439975	219.595182	4.95596E-06	0.006608472
1333.479975	200.868625	4.53333E-06	0.006045098
1333.519975	192.290433	4.33973E-06	0.005787113
1333.559975	176.209032	3.97679E-06	0.005303291
1333.599975	168.208456	3.79623E-06	0.005062653
1333.639975	171.254761	3.86498E-06	0.005154494
1333.679975	170.717028	3.85285E-06	0.005138463
1333.719975	158.172958	3.56974E-06	0.004761038
1333.759975	155.27828	3.50441E-06	0.004674048
1333.799975	159.022558	3.58892E-06	0.004786898
1333.839975	173.729727	3.92084E-06	0.00522977
1333.879975	188.778416	4.26047E-06	0.00568295
1333.919975	190.986484	4.3103E-06	0.005749594
1333.959975	185.544726	4.18749E-06	0.005585939
1333.999975	169.907678	3.83458E-06	0.005115329
1334.039975	162.240077	3.66153E-06	0.004884631
1334.079975	170.840126	3.85562E-06	0.00514371
1334.119975	191.993555	4.33303E-06	0.005780778
1334.159975	211.307902	4.76893E-06	0.006362509
1334.199975	214.785146	4.8474E-06	0.006467403
1334.239975	232.14656	5.23922E-06	0.006990383
1334.279975	233.093689	5.2606E-06	0.007019113
1334.319975	225.580209	5.09103E-06	0.006793065
1334.359975	241.671138	5.45418E-06	0.007277841
1334.399975	261.617773	5.90435E-06	0.007878763
1334.439975	245.220542	5.53429E-06	0.007385173
1334.479975	226.93133	5.12152E-06	0.006834571
1334.519975	192.257253	4.33898E-06	0.005790453
1334.559975	167.78226	3.78661E-06	0.005053461
1334.599975	172.64247	3.8963E-06	0.005200002
1334.639975	191.217934	4.31552E-06	0.005759669
1334.679975	204.308751	4.61096E-06	0.006154161
1334.719975	208.354985	4.70228E-06	0.006276229
1334.759975	221.673514	5.00286E-06	0.006677621
1334.799975	207.007201	4.67186E-06	0.006236004
1334.839975	179.001348	4.03981E-06	0.005392501
1334.879975	159.855172	3.60771E-06	0.004815858
1334.919975	154.514531	3.48718E-06	0.004655103
1334.959975	173.445808	3.91443E-06	0.005225608

1334.999975	194.915957	4.39898E-06	0.00587264
1335.039975	199.917665	4.51186E-06	0.006023518
1335.079975	210.104427	4.74176E-06	0.006330635
1335.119975	230.110383	5.19327E-06	0.00693364
1335.159975	241.166296	5.44279E-06	0.007266992
1335.199975	265.883528	6.00062E-06	0.008012029
1335.239975	286.538773	6.46678E-06	0.008634704
1335.279975	289.907191	6.5428E-06	0.008736472
1335.319975	275.023175	6.20689E-06	0.008288184
1335.359975	237.079585	5.35056E-06	0.007144918
1335.399975	202.666196	4.57389E-06	0.006107978
1335.439975	188.863375	4.26238E-06	0.005692157
1335.479975	183.559291	4.14268E-06	0.005532463
1335.519975	170.669611	3.85178E-06	0.005144123
1335.559975	164.020434	3.70171E-06	0.004943859
1335.599975	148.236333	3.34549E-06	0.004468233
1335.639975	139.090013	3.13907E-06	0.004192665
1335.679975	157.181977	3.54738E-06	0.004738162
1335.719975	183.801538	4.14814E-06	0.00554076
1335.759975	192.967565	4.35501E-06	0.005817247
1335.799975	186.485124	4.20871E-06	0.005621994
1335.839975	182.04774	4.10856E-06	0.005488384
1335.879975	195.133458	4.40389E-06	0.005883069
1335.919975	209.931224	4.73786E-06	0.006329396
1335.959975	213.5765	4.82012E-06	0.006439493
1335.999975	179.912855	4.06038E-06	0.005424671
1336.039975	159.164446	3.59212E-06	0.004799216
1336.079975	178.434168	4.02701E-06	0.005380408
1336.119975	211.140625	4.76515E-06	0.006366812
1336.159975	248.610149	5.61078E-06	0.007496906
1336.199975	258.578114	5.83575E-06	0.007797726
1336.239975	280.810673	6.33751E-06	0.008468429
1336.279975	286.377937	6.46315E-06	0.008636579
1336.319975	294.575552	6.64816E-06	0.008884069
1336.359975	286.631405	6.46887E-06	0.008644741
1336.399975	256.210516	5.78231E-06	0.007727485
1336.439975	234.448876	5.29118E-06	0.007071351
1336.479975	208.880299	4.71414E-06	0.00630035
1336.519975	197.297377	4.45273E-06	0.005951159
1336.559975	187.568402	4.23316E-06	0.005657869
1336.599975	182.011038	4.10774E-06	0.005490399
1336.639975	184.587425	4.16588E-06	0.005568283
1336.679975	197.345318	4.45381E-06	0.005953317
1336.719975	186.563537	4.21048E-06	0.005628232
1336.759975	167.5569	3.78153E-06	0.005054992
1336.799975	178.346299	4.02503E-06	0.005380657

1336.839975	182.169443	4.11131E-06	0.005496164
1336.879975	183.796434	4.14803E-06	0.005545418
1336.919975	196.098759	4.42568E-06	0.005916774
1336.959975	203.586891	4.59467E-06	0.006142893
1336.999975	197.730884	4.46251E-06	0.005966377
1337.039975	190.125825	4.29088E-06	0.005737071
1337.079975	218.140018	4.92312E-06	0.0065826
1337.119975	255.81365	5.77336E-06	0.007719672
1337.159975	269.694435	6.08663E-06	0.008138795
1337.199975	272.896243	6.15889E-06	0.008235665
1337.239975	299.938027	6.76918E-06	0.009052023
1337.279975	355.301323	8.01866E-06	0.010723188
1337.319975	369.091115	8.32987E-06	0.011139705
1337.359975	335.380502	7.56907E-06	0.010122572
1337.399975	299.747562	6.76488E-06	0.009047357
1337.439975	281.765584	6.35906E-06	0.008504857
1337.479975	253.887828	5.72989E-06	0.007663619
1337.519975	205.857607	4.64592E-06	0.00621401
1337.559975	169.234165	3.81938E-06	0.005108649
1337.599975	165.154532	3.72731E-06	0.004985647
1337.639975	156.582441	3.53385E-06	0.004727016
1337.679975	162.658864	3.67098E-06	0.004910602
1337.719975	159.857723	3.60777E-06	0.004826181
1337.759975	160.115924	3.61359E-06	0.004834121
1337.799975	160.827696	3.62966E-06	0.004855755
1337.839975	159.445097	3.59845E-06	0.004814155
1337.879975	168.325589	3.79887E-06	0.005082438
1337.919975	171.433658	3.86902E-06	0.005176438
1337.959975	175.517676	3.96119E-06	0.005299913
1337.999975	184.403894	4.16174E-06	0.005568407
1338.039975	188.00754	4.24307E-06	0.005677395
1338.079975	203.061546	4.58282E-06	0.006132175
1338.119975	219.585635	4.95574E-06	0.006631377
1338.159975	233.564348	5.27122E-06	0.007053738
1338.199975	251.723653	5.68105E-06	0.007602384
1338.239975	259.673285	5.86046E-06	0.007842708
1338.279975	273.581101	6.17434E-06	0.008263001
1338.319975	285.149391	6.43542E-06	0.008612657
1338.359975	280.962774	6.34094E-06	0.008486458
1338.399975	264.556367	5.97067E-06	0.007991143
1338.439975	238.017227	5.37172E-06	0.007189721
1338.479975	220.619394	4.97907E-06	0.006664389
1338.519975	193.86821	4.37534E-06	0.005856474
1338.559975	176.707797	3.98805E-06	0.005338243
1338.599975	168.44192	3.8015E-06	0.005088687
1338.639975	153.490632	3.46407E-06	0.004637142

1338.679975	144.949871	3.27132E-06	0.004379246
1338.719975	155.284208	3.50455E-06	0.004691609
1338.759975	173.4585	3.91472E-06	0.005240866
1338.799975	181.242103	4.09038E-06	0.005476203
1338.839975	171.638959	3.87365E-06	0.0051862
1338.879975	161.693671	3.6492E-06	0.004885842
1338.919975	162.736507	3.67274E-06	0.0049175
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1338.999975	203.692764	4.59706E-06	0.006155466
1339.039975	227.101557	5.12537E-06	0.00686307
1339.079975	249.940243	5.6408E-06	0.007553487
1339.119975	249.168176	5.62338E-06	0.007530379
1339.159975	254.047908	5.73351E-06	0.007678084
1339.199975	276.87581	6.2487E-06	0.008368261
1339.239975	292.744378	6.60683E-06	0.008848135
1339.279975	301.690126	6.80873E-06	0.00911879
1339.319975	304.575462	6.87384E-06	0.009206276
1339.359975	296.227607	6.68544E-06	0.008954217
1339.399975	265.340408	5.98836E-06	0.008020814
1339.439975	259.082746	5.84714E-06	0.007831889
1339.479975	256.271332	5.78369E-06	0.007747133
1339.519975	213.168043	4.81091E-06	0.006444304
1339.559975	174.649202	3.94159E-06	0.005279995
1339.599975	156.694042	3.53637E-06	0.004737316
1339.639975	159.620844	3.60242E-06	0.004825946
1339.679975	189.309338	4.27245E-06	0.005723713
1339.719975	197.410784	4.45529E-06	0.005968836
1339.759975	170.380719	3.84526E-06	0.005151719
1339.799975	180.207307	4.06703E-06	0.005449004
1339.839975	182.689246	4.12304E-06	0.005524216
1339.879975	182.529205	4.11943E-06	0.005519542
1339.919975	188.7534	4.2599E-06	0.005707927
1339.959975	192.845789	4.35226E-06	0.005831855
1339.999975	209.49753	4.72807E-06	0.00633561
1340.039975	216.664165	4.88981E-06	0.006552539
1340.079975	210.51408	4.75101E-06	0.006366733
1340.119975	211.801563	4.78007E-06	0.006405862
1340.159975	222.46551	5.02074E-06	0.00672859
1340.199975	241.56678	5.45183E-06	0.007306537
1340.239975	249.008716	5.61978E-06	0.007531854
1340.279975	254.158555	5.736E-06	0.007687852
1340.319975	239.548058	5.40627E-06	0.007246126
1340.359975	239.411403	5.40318E-06	0.007242209
1340.399975	237.090666	5.35081E-06	0.00717222
1340.439975	232.503686	5.24728E-06	0.00703367
1340.479975	207.81291	4.69005E-06	0.006286915

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1340.559975	160.30726	3.61791E-06	0.004850027
1340.599975	174.082315	3.9288E-06	0.005266943
1340.639975	185.297422	4.1819E-06	0.005606429
1340.679975	176.21713	3.97698E-06	0.005331851
1340.719975	165.397158	3.73278E-06	0.005004617
1340.759975	167.448841	3.77909E-06	0.005066849
1340.799975	176.775835	3.98958E-06	0.005349235
1340.839975	192.931591	4.3542E-06	0.005838282
1340.879974	214.944773	4.851E-06	0.006504614
1340.919974	229.707115	5.18417E-06	0.006951557
1340.959974	237.090964	5.35081E-06	0.007175226
1340.999974	230.413821	5.20012E-06	0.006973359
1341.039974	223.732831	5.04934E-06	0.006771365
1341.079974	235.671405	5.31878E-06	0.007132903
1341.119974	225.670657	5.09307E-06	0.006830421
1341.159974	216.324257	4.88214E-06	0.006547727
1341.199974	229.609098	5.18196E-06	0.006950041
1341.239974	282.740294	6.38105E-06	0.008558526
1341.279974	314.817455	7.10499E-06	0.009529783
1341.319974	313.080541	7.06579E-06	0.009477488
1341.359974	303.659854	6.85318E-06	0.009192581
1341.399974	278.421848	6.28359E-06	0.008428812
1341.439974	261.329407	5.89784E-06	0.007911599
1341.479974	234.476494	5.29181E-06	0.007098854
1341.519974	193.941553	4.37699E-06	0.00587182
1341.559974	165.207679	3.72851E-06	0.005002016
1341.599974	166.866521	3.76594E-06	0.005052392
1341.639974	165.169483	3.72765E-06	0.005001158
1341.679974	148.103652	3.34249E-06	0.004484556
1341.719974	158.294817	3.57249E-06	0.004793286
1341.759974	174.497107	3.93816E-06	0.005284061
1341.799974	193.192291	4.36008E-06	0.005850356
1341.839974	194.259384	4.38416E-06	0.005882846
1341.879974	192.201625	4.33772E-06	0.005820704
1341.919974	191.320369	4.31783E-06	0.005794188
1341.959974	174.69011	3.94251E-06	0.005290694
1341.999974	170.043112	3.83764E-06	0.005150108
1342.039974	172.116433	3.88443E-06	0.005213058
1342.079974	174.088686	3.92894E-06	0.005272951
1342.119974	190.764198	4.30528E-06	0.005778205
1342.159974	200.991397	4.5361E-06	0.006088166
1342.199974	247.30609	5.58135E-06	0.007491293
1342.239974	269.868374	6.09055E-06	0.008174984
1342.279974	259.665807	5.8603E-06	0.007866157
1342.319974	253.408237	5.71907E-06	0.007676823

1342.359974	246.00983	5.5521E-06	0.007452916
1342.399974	229.591448	5.18156E-06	0.006955725
1342.439974	200.814831	4.53211E-06	0.006084087
1342.479974	169.351012	3.82202E-06	0.005130981
1342.519974	162.65768	3.67096E-06	0.004928333
1342.559974	166.406737	3.75557E-06	0.005042076
1342.599974	176.810703	3.99037E-06	0.005357472
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1342.679974	162.804726	3.67428E-06	0.004933377
1342.719974	142.518746	3.21645E-06	0.004318791
1342.759974	156.2475	3.52629E-06	0.004734959
1342.799974	192.799944	4.35123E-06	0.005842826
1342.839974	205.903728	4.64696E-06	0.006240124
1342.879974	188.068217	4.24444E-06	0.00569977
1342.919974	183.057302	4.13135E-06	0.00554807
1342.959974	195.812102	4.41921E-06	0.005934817
1342.999974	206.471679	4.65978E-06	0.006258082
1343.039974	218.489706	4.93101E-06	0.006622541
1343.079974	228.205318	5.15028E-06	0.006917233
1343.119974	221.124701	4.99048E-06	0.006702809
1343.159974	222.358565	5.01832E-06	0.006740411
1343.199974	239.173488	5.39781E-06	0.007250342
1343.239974	254.322653	5.73971E-06	0.007709805
1343.279974	256.672975	5.79275E-06	0.007781287
1343.319974	250.7978	5.66016E-06	0.007603402
1343.359974	231.200272	5.21787E-06	0.007009475
1343.399974	213.644953	4.82167E-06	0.00647743
1343.439974	215.101053	4.85453E-06	0.006521771
1343.479974	198.487096	4.47958E-06	0.006018222
1343.519974	162.415059	3.66548E-06	0.004924648
1343.559974	148.61407	3.35401E-06	0.004506317
1343.599974	164.919192	3.722E-06	0.005000874
1343.639974	169.801837	3.83219E-06	0.005149085
1343.679974	176.258185	3.9779E-06	0.005345027
1343.719974	193.658097	4.37059E-06	0.005872854
1343.759974	211.764914	4.77924E-06	0.00642215
1343.799974	216.915926	4.89549E-06	0.00657856
1343.839974	192.953482	4.35469E-06	0.005852008
1343.879974	166.931817	3.76742E-06	0.005062958
1343.919974	152.849929	3.44961E-06	0.004636
1343.959974	153.977191	3.47505E-06	0.004670329
1343.999974	180.154528	4.06584E-06	0.005464485
1344.039974	202.613863	4.57271E-06	0.006145909
1344.079974	203.006737	4.58158E-06	0.006158009
1344.119974	202.60433	4.5725E-06	0.006145985
1344.159974	210.131924	4.74238E-06	0.006374524

1344.199974	232.968179	5.25777E-06	0.007067491
1344.239974	238.354708	5.37933E-06	0.007231115
1344.279974	236.243872	5.3317E-06	0.007167291
1344.319974	244.897618	5.527E-06	0.007430054
1344.359974	237.629312	5.36296E-06	0.007209752
1344.399974	234.325383	5.2884E-06	0.007109721
1344.439974	209.058839	4.71817E-06	0.006343292
1344.479974	180.026098	4.06294E-06	0.005462539
1344.519974	170.32224	3.84394E-06	0.005168248
1344.559974	178.007242	4.01738E-06	0.005401602
1344.599974	191.265907	4.31661E-06	0.005804107
1344.639974	207.649851	4.68637E-06	0.006301478
1344.679974	209.78534	4.73456E-06	0.006366472
1344.719974	208.715621	4.71042E-06	0.006334197
1344.759974	207.83076	4.69045E-06	0.00630753
1344.799974	215.593413	4.86564E-06	0.006543317
1344.839974	209.107759	4.71927E-06	0.006346664
1344.879974	199.899339	4.51145E-06	0.006067358
1344.919974	210.733259	4.75596E-06	0.00639638
1344.959974	210.651252	4.75411E-06	0.006394081
1344.999974	192.508794	4.34466E-06	0.005843561
1345.039974	185.121859	4.17794E-06	0.0056195
1345.079974	209.066806	4.71835E-06	0.006346554
1345.119974	257.714183	5.81625E-06	0.007823554
1345.159974	304.284075	6.86727E-06	0.009237574
1345.199974	324.939728	7.33344E-06	0.009864939
1345.239974	321.553474	7.25701E-06	0.009762425
1345.279974	296.727673	6.69673E-06	0.009008977
1345.319974	277.921794	6.27231E-06	0.008438261
1345.359974	274.837891	6.20271E-06	0.008344876
1345.399974	253.574567	5.72282E-06	0.007699488
1345.439974	222.391845	5.01907E-06	0.006752863
1345.479974	191.378094	4.31914E-06	0.005811312
1345.519974	164.953821	3.72278E-06	0.005009072
1345.559974	157.203341	3.54786E-06	0.004773859
1345.599974	148.938529	3.36134E-06	0.004523012
1345.639974	144.13743	3.25298E-06	0.004377341
1345.679974	170.795552	3.85462E-06	0.005187082
1345.719974	209.86452	4.73635E-06	0.006373801
1345.759974	217.500517	4.90868E-06	0.00660591
1345.799974	201.933422	4.55736E-06	0.00613329
1345.839974	172.459133	3.89216E-06	0.005238228
1345.879974	158.198297	3.57032E-06	0.004805216
1345.919974	162.259124	3.66196E-06	0.004928708
1345.959974	165.693733	3.73948E-06	0.005033186
1345.999974	169.292175	3.82069E-06	0.005142647

1346.039974	163.627989	3.69286E-06	0.004970732
1346.079974	163.353116	3.68665E-06	0.004962529
1346.119974	174.011075	3.92719E-06	0.005286466
1346.159974	208.032918	4.69501E-06	0.006320239
1346.199974	250.616106	5.65606E-06	0.007614183
1346.239974	269.523609	6.08277E-06	0.008188871
1346.279974	276.010895	6.22918E-06	0.008386222
1346.319974	267.175054	6.02977E-06	0.008117998
1346.359974	253.550613	5.72228E-06	0.007704254
1346.399974	235.026489	5.30422E-06	0.007141602
1346.439974	213.761589	4.8243E-06	0.006495632
1346.479974	182.830232	4.12622E-06	0.005555878
1346.519974	154.370242	3.48392E-06	0.00469117
1346.559974	135.712799	3.06285E-06	0.00412431
1346.599974	135.529013	3.0587E-06	0.004118847
1346.639974	156.047356	3.52177E-06	0.004742558
1346.679974	176.291649	3.97866E-06	0.005357978
1346.719974	173.217327	3.90927E-06	0.005264697
1346.759974	177.575139	4.00762E-06	0.005397307
1346.799974	191.701524	4.32644E-06	0.005826844
1346.839974	183.726703	4.14646E-06	0.005584612
1346.879974	180.881298	4.08224E-06	0.005498286
1346.919974	182.628859	4.12168E-06	0.005551572
1346.959974	172.811607	3.90012E-06	0.005253302
1346.999974	170.772158	3.85409E-06	0.005191459
1347.039974	173.436635	3.91422E-06	0.005272615
1347.079974	180.968637	4.08421E-06	0.005501758
1347.119974	201.718628	4.55251E-06	0.006132775
1347.159974	227.630909	5.13731E-06	0.006920782
1347.199974	259.377099	5.85378E-06	0.007886212
1347.239974	279.773775	6.3141E-06	0.008506614
1347.279974	272.87174	6.15834E-06	0.008297002
1347.319974	274.645554	6.19837E-06	0.008351184
1347.359974	268.774646	6.06587E-06	0.00817291
1347.399974	259.942444	5.86654E-06	0.007904574
1347.439974	248.884084	5.61697E-06	0.007568526
1347.479974	210.512618	4.75098E-06	0.006401846
1347.519974	180.21082	4.06711E-06	0.005480508
1347.559974	162.45199	3.66632E-06	0.00494058
1347.599974	143.38377	3.23597E-06	0.004360796
1347.639974	127.052484	2.8674E-06	0.00386422
1347.679974	138.109688	3.11694E-06	0.004200642
1347.719974	170.053859	3.83788E-06	0.005172386
1347.759974	188.27473	4.2491E-06	0.005726765
1347.799974	174.025585	3.92752E-06	0.005293505
1347.839974	172.442168	3.89178E-06	0.005245496

1347.879974	174.229488	3.93212E-06	0.005300022
1347.919974	168.80156	3.80962E-06	0.005135058
1347.959974	163.480343	3.68952E-06	0.00497333
1347.999974	164.539305	3.71342E-06	0.005005694
1348.039974	187.570298	4.2332E-06	0.005706523
1348.079974	215.381212	4.86085E-06	0.00655282
1348.119974	233.782531	5.27615E-06	0.007112878
1348.159974	241.875976	5.4588E-06	0.007359341
1348.199974	232.643364	5.25044E-06	0.007078639
1348.239974	226.65405	5.11527E-06	0.006896606
1348.279974	233.783119	5.27616E-06	0.00711374
1348.319974	238.270725	5.37744E-06	0.007250508
1348.359974	234.392258	5.28991E-06	0.007132699
1348.399974	237.249498	5.35439E-06	0.00721986
1348.439974	226.024729	5.10106E-06	0.006878478
1348.479974	176.080067	3.97388E-06	0.0053587
1348.519974	149.03374	3.36348E-06	0.004535725
1348.559974	150.52297	3.39709E-06	0.004581185
1348.599974	158.480591	3.57669E-06	0.004823519
1348.639974	176.604592	3.98572E-06	0.005375301
1348.679974	194.782094	4.39596E-06	0.005928744
1348.719974	197.50726	4.45746E-06	0.00601187
1348.759974	187.447768	4.23044E-06	0.005705841
1348.799974	191.337193	4.31821E-06	0.005824407
1348.839974	202.325319	4.5662E-06	0.006159074
1348.879974	203.465014	4.59192E-06	0.006193952
1348.919974	204.327212	4.61138E-06	0.006220383
1348.959974	199.708003	4.50713E-06	0.00607994
1348.999974	187.144571	4.22359E-06	0.005697626
1349.039974	170.464046	3.84714E-06	0.00518994
1349.079974	184.509906	4.16413E-06	0.005617747
1349.119974	212.044131	4.78554E-06	0.006456269
1349.159974	222.246932	5.0158E-06	0.006767122
1349.199974	218.755266	4.937E-06	0.006661003
1349.239974	210.852442	4.75865E-06	0.006420555
1349.279974	241.078024	5.4408E-06	0.007341156
1349.319974	251.509205	5.67621E-06	0.007659027
1349.359974	239.809063	5.41216E-06	0.007302947
1349.399974	232.343182	5.24366E-06	0.007075797
1349.439974	225.244063	5.08344E-06	0.006859804
1349.479974	194.672632	4.39349E-06	0.005928927
1349.519974	164.802501	3.71936E-06	0.005019355
1349.559974	159.13529	3.59146E-06	0.004846893
1349.599974	175.047501	3.95058E-06	0.0053317
1349.639974	192.995805	4.35565E-06	0.005878555
1349.679974	172.37894	3.89035E-06	0.005250731

1349.719974	160.891799	3.6311E-06	0.004900973
1349.759974	162.474618	3.66683E-06	0.004949335
1349.799974	161.226855	3.63867E-06	0.004911471
1349.839974	165.524713	3.73566E-06	0.005042546
1349.879974	167.181178	3.77305E-06	0.00509316
1349.919974	149.108003	3.36516E-06	0.004542697
1349.959974	155.554515	3.51065E-06	0.004739235
1349.999974	176.966563	3.99389E-06	0.00539175
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1350.079974	212.463707	4.79501E-06	0.006473647
1350.119974	237.384542	5.35744E-06	0.007233185
1350.159974	251.952954	5.68623E-06	0.007677316
1350.199974	223.245194	5.03833E-06	0.006802757
1350.239974	215.16211	4.85591E-06	0.006556643
1350.279974	220.952578	4.98659E-06	0.006733295
1350.319974	227.246116	5.12863E-06	0.006925289
1350.359974	226.900599	5.12083E-06	0.006914965
1350.399974	202.875159	4.57861E-06	0.006182954
1350.439974	187.470426	4.23095E-06	0.005713639
1350.479974	202.664687	4.57386E-06	0.006176906
1350.519974	184.070913	4.15422E-06	0.005610363
1350.559974	175.728087	3.96594E-06	0.005356237
1350.599974	175.988982	3.97183E-06	0.005364348
1350.639974	188.482799	4.25379E-06	0.005745345
1350.679974	212.831309	4.80331E-06	0.006487729
1350.719974	231.564793	5.22609E-06	0.007058991
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1350.799974	197.246008	4.45157E-06	0.006013177
1350.839974	173.957562	3.92598E-06	0.005303371
1350.879974	187.948898	4.24174E-06	0.005730088
1350.919974	194.48043	4.38915E-06	0.005929394
1350.959974	192.616413	4.34708E-06	0.005872737
1350.999974	194.552501	4.39078E-06	0.005931942
1351.039974	189.638842	4.27988E-06	0.005782295
1351.079974	183.043486	4.13104E-06	0.005581361
1351.119974	176.3301	3.97952E-06	0.005376815
1351.159974	184.860296	4.17204E-06	0.005637093
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1351.279974	268.363791	6.0566E-06	0.008184158
1351.319974	268.010669	6.04863E-06	0.008173631
1351.359974	254.256919	5.73822E-06	0.007754407
1351.399974	226.904239	5.12091E-06	0.006920401
1351.439974	203.914917	4.60208E-06	0.006219429
1351.479974	191.978508	4.33269E-06	0.00585554
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1351.639974	165.806428	3.74202E-06	0.005057864
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1351.759974	184.734117	4.16919E-06	0.005635746
1351.799974	182.224001	4.11254E-06	0.005559334
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1351.879974	194.895671	4.39852E-06	0.005946276
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1351.959974	209.48799	4.72785E-06	0.006391867
1351.999974	205.941859	4.64782E-06	0.006283854
1352.039974	188.787868	4.26068E-06	0.005760609
1352.079974	204.189884	4.60828E-06	0.006230765
1352.119974	213.020352	4.80757E-06	0.006500415
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1352.199974	261.355268	5.89842E-06	0.007975849
1352.239974	255.439298	5.76491E-06	0.007795541
1352.279974	242.279894	5.46792E-06	0.007394158
1352.319974	249.749685	5.6365E-06	0.007622355
1352.359974	244.850008	5.52592E-06	0.007473038
1352.399974	227.931828	5.1441E-06	0.006956886
1352.439974	201.579955	4.54938E-06	0.006152762
1352.479974	196.501467	4.43476E-06	0.00599793
1352.519974	194.528072	4.39023E-06	0.005937871
1352.559974	183.195943	4.13448E-06	0.005592128
1352.599974	153.196017	3.45742E-06	0.004676507
1352.639974	154.870881	3.49522E-06	0.004727774
1352.679974	171.670941	3.87437E-06	0.005240788
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1352.839974	196.939635	4.44465E-06	0.006012905
1352.879974	187.292864	4.22694E-06	0.005718541
1352.919974	184.356979	4.16068E-06	0.005629067
1352.959974	187.008812	4.22053E-06	0.005710206
1352.999974	186.305991	4.20467E-06	0.005688914
1353.039974	198.416545	4.47799E-06	0.006058893
1353.079974	209.246306	4.7224E-06	0.006389782
1353.119974	217.601109	4.91095E-06	0.00664511
1353.159974	234.942948	5.30234E-06	0.007174908
1353.199974	274.691417	6.1994E-06	0.008389032
1353.239974	329.414851	7.43443E-06	0.010060574
1353.279974	366.899801	8.28042E-06	0.011205723
1353.319974	365.824698	8.25615E-06	0.011173218
1353.359974	335.891348	7.5806E-06	0.01025928

1353.399974	297.485704	6.71384E-06	0.009086508
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1353.479974	269.466895	6.08149E-06	0.008231178
1353.519974	228.630836	5.15988E-06	0.006984
1353.559974	171.397995	3.86821E-06	0.00523586
1353.599974	128.982546	2.91096E-06	0.003940271
1353.639974	104.763575	2.36437E-06	0.003200503
1353.679974	101.608902	2.29317E-06	0.00310422
1353.719974	136.126246	3.07218E-06	0.004158871
1353.759974	163.484585	3.68962E-06	0.004994859
1353.799974	158.969854	3.58773E-06	0.004857066
1353.839974	153.81406	3.47137E-06	0.004699678
1353.879974	175.458818	3.95986E-06	0.005361177
1353.919974	193.476732	4.3665E-06	0.005911892
1353.959974	191.543278	4.32286E-06	0.005852986
1353.999974	196.567173	4.43625E-06	0.006006679
1354.039974	200.121568	4.51647E-06	0.006115474
1354.079974	188.606493	4.25659E-06	0.005763758
1354.119974	183.273309	4.13622E-06	0.005600943
1354.159974	214.007015	4.82984E-06	0.006540376
1354.199974	251.233084	5.66998E-06	0.007678288
1354.239974	273.97146	6.18315E-06	0.008373475
1354.279974	303.996027	6.86077E-06	0.009291399
1354.319974	315.540809	7.12132E-06	0.009644541
1354.359974	301.973066	6.81511E-06	0.009230114
1354.399974	273.033423	6.16198E-06	0.008345791
1354.439974	227.529516	5.13502E-06	0.006955082
1354.479974	201.694261	4.55196E-06	0.006165537
1354.519974	200.035919	4.51453E-06	0.006115024
1354.559974	180.179852	4.06641E-06	0.005508194
1354.599974	165.915793	3.74449E-06	0.005072284
1354.639974	169.504653	3.82548E-06	0.005182153
1354.679974	180.497273	4.07357E-06	0.005518386
1354.719974	182.209209	4.11221E-06	0.00557089
1354.759974	168.897388	3.81178E-06	0.005164045
1354.799974	168.560604	3.80418E-06	0.0051539
1354.839974	173.455996	3.91466E-06	0.005303738
1354.879974	192.297383	4.33988E-06	0.005880022
1354.919974	221.452617	4.99788E-06	0.006771724
1354.959974	214.379851	4.83825E-06	0.006555641
1354.999974	205.625262	4.64068E-06	0.006288116
1355.039974	181.621277	4.09894E-06	0.005554227
1355.079974	191.591808	4.32396E-06	0.005859312
1355.119974	231.021229	5.21383E-06	0.007065362
1355.159974	255.367622	5.76329E-06	0.007810182
1355.199974	280.333312	6.32673E-06	0.008573988

1355.239974	324.363679	7.32044E-06	0.009920948
1355.279974	337.641927	7.62011E-06	0.01032738
1355.319974	313.909059	7.08449E-06	0.009601751
1355.359974	282.586657	6.37759E-06	0.008643926
1355.399974	256.078471	5.77933E-06	0.00783331
1355.439974	234.020019	5.28151E-06	0.007158764
1355.479974	210.421769	4.74893E-06	0.006437074
1355.519974	210.623137	4.75347E-06	0.006443425
1355.559974	196.999593	4.44601E-06	0.006026828
1355.599974	184.484697	4.16356E-06	0.005644125
1355.639974	178.79127	4.03507E-06	0.005470102
1355.679974	184.975461	4.17464E-06	0.005659474
1355.719974	174.573449	3.93988E-06	0.005341373
1355.759974	180.317646	4.06952E-06	0.00551729
1355.799974	199.51966	4.50288E-06	0.006105006
1355.839974	193.682225	4.37114E-06	0.005926564
1355.879974	175.151515	3.95293E-06	0.005359693
1355.919974	162.326008	3.66347E-06	0.004967375
1355.959974	159.318587	3.5956E-06	0.004875488
1355.999974	152.753883	3.44744E-06	0.004674732
1356.039974	151.578461	3.42091E-06	0.004638897
1356.079974	165.914899	3.74447E-06	0.005077798
1356.119974	202.074983	4.56055E-06	0.006184654
1356.159974	222.239893	5.01564E-06	0.006802017
1356.199974	236.769324	5.34355E-06	0.007246928
1356.239974	261.564198	5.90314E-06	0.008006074
1356.279974	290.072756	6.54654E-06	0.008878938
1356.319974	286.998734	6.47716E-06	0.008785104
1356.359974	277.039712	6.2524E-06	0.008480506
1356.399974	269.210336	6.0757E-06	0.008241082
1356.439974	257.540673	5.81233E-06	0.007884083
1356.479974	231.562141	5.22603E-06	0.007089012
1356.519974	193.268872	4.36181E-06	0.005916881
1356.559974	169.591411	3.82744E-06	0.005192155
1356.599974	176.277718	3.97834E-06	0.005397019
1356.639974	190.033848	4.2888E-06	0.005818357
1356.679974	178.730255	4.03369E-06	0.00547243
1356.719974	175.26715	3.95554E-06	0.005366554
1356.759974	179.849681	4.05896E-06	0.00550703
1356.799974	182.68274	4.12289E-06	0.005593944
1356.839974	171.942246	3.8805E-06	0.005265213
1356.879974	171.83295	3.87803E-06	0.005262022
1356.919974	171.099965	3.86149E-06	0.00523973
1356.959974	185.934694	4.19629E-06	0.005694194
1356.999974	217.390239	4.90619E-06	0.006657706
1357.039974	224.397503	5.06434E-06	0.006872511

1357.079974	224.482861	5.06627E-06	0.006875327
1357.119974	256.134353	5.7806E-06	0.007844962
1357.159974	281.905305	6.36221E-06	0.008634537
1357.199974	320.798363	7.23997E-06	0.00982609
1357.239974	373.221278	8.42308E-06	0.011432147
1357.279974	382.127162	8.62408E-06	0.011705288
1357.319974	336.985335	7.60529E-06	0.010322812
1357.359974	301.483073	6.80405E-06	0.009235549
1357.399974	278.203725	6.27867E-06	0.008522667
1357.439974	263.772807	5.95298E-06	0.00808082
1357.479974	250.342786	5.64989E-06	0.00766961
1357.519974	219.581913	4.95566E-06	0.006727405
1357.559974	197.917478	4.46672E-06	0.006063843
1357.599974	183.970868	4.15197E-06	0.005636709
1357.639974	177.150937	3.99805E-06	0.005427912
1357.679974	174.315332	3.93405E-06	0.005341187
1357.719974	176.038417	3.97294E-06	0.005394143
1357.759974	170.379398	3.84523E-06	0.005220894
1357.799974	166.388519	3.75516E-06	0.005098752
1357.839974	177.035441	3.99544E-06	0.005425173
1357.879974	209.697634	4.73258E-06	0.00642628
1357.919974	231.608402	5.22708E-06	0.007097955
1357.959974	238.579559	5.38441E-06	0.007311811
1357.999974	227.7196	5.13931E-06	0.006979189
1358.039974	220.735372	4.98169E-06	0.006765334
1358.079974	221.722738	5.00397E-06	0.006795796
1358.119974	234.70044	5.29686E-06	0.007193774
1358.159974	254.81504	5.75082E-06	0.007810534
1358.199974	262.037808	5.91383E-06	0.008032161
1358.239974	283.81799	6.40538E-06	0.008700039
1358.279974	296.211853	6.68509E-06	0.009080222
1358.319974	295.175028	6.66169E-06	0.009048706
1358.359974	292.345169	6.59782E-06	0.008962219
1358.399974	274.008823	6.184E-06	0.008400342
1358.439974	254.331849	5.73992E-06	0.007797331
1358.479974	229.723506	5.18454E-06	0.007043093
1358.519974	214.847236	4.8488E-06	0.006587196
1358.559974	188.562648	4.2556E-06	0.005781483
1358.599974	188.041726	4.24384E-06	0.005765681
1358.639974	190.320197	4.29526E-06	0.005835714
1358.679974	156.601478	3.53428E-06	0.004801952
1358.719974	158.255834	3.57161E-06	0.004852823
1358.759974	177.690883	4.01024E-06	0.005448948
1358.799974	186.030819	4.19846E-06	0.005704863
1358.839974	184.375598	4.1611E-06	0.00565427
1358.879974	154.569946	3.48843E-06	0.004740355

1358.919974	143.0911	3.22937E-06	0.004388451
1358.959974	146.576226	3.30802E-06	0.004495468
1358.999974	155.159724	3.50174E-06	0.004758863
1359.039974	191.884864	4.33057E-06	0.005885423
1359.079974	218.058325	4.92127E-06	0.006688403
1359.119974	236.500026	5.33748E-06	0.00725427
1359.159974	253.417519	5.71928E-06	0.007773417
1359.199974	275.075695	6.20808E-06	0.008438016
1359.239974	298.964006	6.7472E-06	0.009171066
1359.279974	302.651399	6.83042E-06	0.009284454
1359.319974	320.194662	7.22635E-06	0.009822919
1359.359974	317.620617	7.16825E-06	0.009744239
1359.399974	273.035294	6.16203E-06	0.008376658
1359.439974	238.130167	5.37427E-06	0.007305992
1359.479974	220.178918	4.96913E-06	0.006755435
1359.519974	185.438299	4.18508E-06	0.005689705
1359.559974	161.027012	3.63416E-06	0.004940852
1359.599974	165.53419	3.73588E-06	0.005079297
1359.639974	160.845362	3.63006E-06	0.004935569
1359.679974	142.944649	3.22606E-06	0.004386411
1359.719974	138.570641	3.12735E-06	0.004252315
1359.759974	159.529452	3.60036E-06	0.004895622
1359.799974	175.44619	3.95958E-06	0.005384232
1359.839974	171.81821	3.8777E-06	0.005273048
1359.879974	169.397454	3.82306E-06	0.005198909
1359.919974	170.597794	3.85015E-06	0.005235902
1359.959974	171.424887	3.86882E-06	0.005261442
1359.999974	185.45361	4.18543E-06	0.005692184
1360.039974	199.070669	4.49275E-06	0.006110316
1360.079974	200.716951	4.5299E-06	0.006161029
1360.119974	201.591751	4.54965E-06	0.006188063
1360.159974	221.196702	4.9921E-06	0.006790057
1360.199974	237.360427	5.35689E-06	0.007286447
1360.239974	254.288593	5.73894E-06	0.007806335
1360.279974	273.755212	6.17827E-06	0.008404182
1360.319974	282.839655	6.3833E-06	0.008683326
1360.359974	278.882575	6.29399E-06	0.008562094
1360.399974	278.220035	6.27904E-06	0.008542004
1360.439974	246.588455	5.56516E-06	0.007571063
1360.479974	201.665294	4.5513E-06	0.006191959
1360.519974	169.88512	3.83407E-06	0.00521633
1360.559974	158.458108	3.57618E-06	0.004865606
1360.599974	149.359418	3.37083E-06	0.004586357
1360.639974	134.126558	3.02705E-06	0.004118725
1360.679974	140.16967	3.16343E-06	0.004304422
1360.719974	153.963045	3.47473E-06	0.004728137

1360.759974	161.471567	3.64419E-06	0.004958866
1360.799974	170.836388	3.85554E-06	0.005246618
1360.839974	158.506956	3.57728E-06	0.004868107
1360.879974	158.720129	3.58209E-06	0.004874798
1360.919974	173.069274	3.90593E-06	0.005315661
1360.959974	172.288636	3.88831E-06	0.00529184
1360.999974	158.831336	3.5846E-06	0.004878643
1361.039974	175.424363	3.95908E-06	0.005388471
1361.079974	213.488363	4.81813E-06	0.006557867
1361.119974	243.775952	5.50168E-06	0.007488452
1361.159974	245.509475	5.54081E-06	0.007541925
1361.199974	248.331903	5.60451E-06	0.007628852
1361.239974	263.021609	5.93603E-06	0.008080363
1361.279974	283.468628	6.39749E-06	0.008708778
1361.319974	278.436253	6.28392E-06	0.008554424
1361.359974	258.679323	5.83803E-06	0.007947663
1361.399974	232.740643	5.25263E-06	0.007150933
1361.439974	202.335442	4.56643E-06	0.006216919
1361.479974	192.789192	4.35098E-06	0.005923777
1361.519974	177.52559	4.00651E-06	0.005454937
1361.559974	174.35231	3.93489E-06	0.005357587
1361.599974	170.326507	3.84403E-06	0.005234034
1361.639974	175.687746	3.96503E-06	0.00539894
1361.679974	194.020771	4.37878E-06	0.005962495
1361.719974	209.886078	4.73684E-06	0.006450245
1361.759974	200.360146	4.52185E-06	0.006157674
1361.799974	184.706372	4.16857E-06	0.005676752
1361.839974	182.190605	4.11179E-06	0.005599598
1361.879974	179.890912	4.05989E-06	0.005529079
1361.919974	178.750789	4.03416E-06	0.005494198
1361.959974	192.547701	4.34553E-06	0.005918443
1361.999974	200.985876	4.53597E-06	0.006177993
1362.039974	183.739713	4.14675E-06	0.005648038
1362.079974	165.289719	3.73036E-06	0.005081047
1362.119974	165.942713	3.7451E-06	0.00510127
1362.159974	190.576475	4.30105E-06	0.005858712
1362.199974	232.328649	5.24333E-06	0.007142469
1362.239974	257.579354	5.81321E-06	0.007918983
1362.279974	287.641192	6.49166E-06	0.00884346
1362.319974	289.056129	6.52359E-06	0.008887223
1362.359974	259.498925	5.85653E-06	0.007978701
1362.399974	225.312197	5.08498E-06	0.00692778
1362.439974	195.274746	4.40708E-06	0.006004381
1362.479974	182.236765	4.11283E-06	0.005603648
1362.519974	195.989104	4.4232E-06	0.0060267
1362.559974	193.471437	4.36638E-06	0.005949456

1362.599974	172.978273	3.90388E-06	0.005319425
1362.639974	183.5063	4.14148E-06	0.005643348
1362.679974	182.976653	4.12953E-06	0.005627225
1362.719974	179.043127	4.04075E-06	0.005506416
1362.759974	176.57829	3.98513E-06	0.00543077
1362.799974	177.757732	4.01174E-06	0.005467205
1362.839974	187.162	4.22399E-06	0.005756616
1362.879974	180.495471	4.07353E-06	0.005551734
1362.919974	166.627007	3.76054E-06	0.005125314
1362.959974	183.181434	4.13415E-06	0.005634681
1362.999974	176.449461	3.98222E-06	0.005427764
1363.039974	170.300107	3.84344E-06	0.005238757
1363.079974	168.296366	3.79821E-06	0.00517727
1363.119974	161.205415	3.63818E-06	0.004959278
1363.159974	197.606345	4.4597E-06	0.006079284
1363.199974	260.346933	5.87567E-06	0.00800971
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1363.279974	266.239998	6.00867E-06	0.008191494
1363.319974	269.527986	6.08287E-06	0.0082929
1363.359974	237.643134	5.36327E-06	0.007312074
1363.399974	218.023813	4.92049E-06	0.006708601
1363.439974	220.821306	4.98363E-06	0.006794879
1363.479974	193.651526	4.37045E-06	0.005959015
1363.519974	161.562862	3.64625E-06	0.004971733
1363.559974	152.065435	3.43191E-06	0.004679608
1363.599974	164.329191	3.70868E-06	0.005057157
1363.639974	163.279234	3.68498E-06	0.005024993
1363.679974	154.832625	3.49436E-06	0.004765184
1363.719974	135.504198	3.05814E-06	0.004170448
1363.759974	126.455598	2.85393E-06	0.003892071
1363.799974	131.761752	2.97368E-06	0.004055504
1363.839974	136.26358	3.07528E-06	0.004194189
1363.879974	138.513297	3.12605E-06	0.00426356
1363.919974	144.743413	3.26666E-06	0.004455459
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1363.999974	159.286248	3.59487E-06	0.004903401
1364.039974	163.140153	3.68185E-06	0.005022185
1364.079974	176.474509	3.98278E-06	0.005432836
1364.119974	214.727415	4.8461E-06	0.00661066
1364.159974	226.180748	5.10458E-06	0.00696347
1364.199974	209.214292	4.72168E-06	0.006441309
1364.239974	200.493327	4.52486E-06	0.006172988
1364.279974	214.089398	4.8317E-06	0.006591791
1364.319974	233.927148	5.27941E-06	0.007202804
1364.359974	223.183645	5.03694E-06	0.006872205
1364.399974	200.804152	4.53187E-06	0.006183283

1364.439974	222.705734	5.02616E-06	0.006857891
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1364.519974	188.16349	4.24659E-06	0.005794554
1364.559974	185.278066	4.18147E-06	0.005705864
1364.599974	178.896355	4.03744E-06	0.005509493
1364.639974	179.064428	4.04123E-06	0.00551483
1364.679974	164.919756	3.72201E-06	0.005079351
1364.719974	157.496475	3.55448E-06	0.004850864
1364.759974	173.44799	3.91448E-06	0.005342325
1364.799974	189.01362	4.26577E-06	0.005821928
1364.839974	201.792889	4.55418E-06	0.006215733
1364.879974	190.652397	4.30276E-06	0.00587275
1364.919974	172.448937	3.89193E-06	0.005312176
1364.959974	166.098806	3.74862E-06	0.005116714
1364.999974	163.337189	3.68629E-06	0.00503179
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1365.079974	183.34063	4.13774E-06	0.00564835
1365.119974	207.310534	4.67871E-06	0.006387
1365.159974	205.617861	4.64051E-06	0.006335037
1365.199974	207.064606	4.67316E-06	0.006379798
1365.239974	215.918268	4.87297E-06	0.00665278
1365.279974	247.580688	5.58755E-06	0.007628572
1365.319974	273.114784	6.16382E-06	0.008415587
1365.359974	250.697461	5.65789E-06	0.00772506
1365.399974	211.879405	4.78182E-06	0.006529101
1365.439974	173.262131	3.91028E-06	0.005339259
1365.479974	148.806075	3.35835E-06	0.004585754
1365.519974	153.591226	3.46634E-06	0.004733357
1365.559974	186.602324	4.21135E-06	0.005750857
1365.599974	203.447367	4.59152E-06	0.006270185
1365.639974	172.937594	3.90296E-06	0.005330039
1365.679974	157.196844	3.54771E-06	0.004845042
1365.719974	153.817932	3.47146E-06	0.004741037
1365.759974	160.64605	3.62556E-06	0.004951641
1365.799974	168.58488	3.80473E-06	0.005196495
1365.839974	172.687492	3.89732E-06	0.00532311
1365.879974	174.776257	3.94446E-06	0.005387654
1365.919974	178.551198	4.02965E-06	0.005504182
1365.959974	171.246465	3.86479E-06	0.005279154
1365.999974	175.409741	3.95875E-06	0.005407657
1366.039974	200.052173	4.5149E-06	0.006167532
1366.079974	190.712231	4.30411E-06	0.005879758
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1366.159974	182.54139	4.1197E-06	0.005628176
1366.199974	195.990517	4.42323E-06	0.006043021
1366.239974	209.340715	4.72453E-06	0.006454839

1366.279974	235.342301	5.31135E-06	0.007256788
1366.319974	235.918606	5.32435E-06	0.007274772
1366.359974	217.027727	4.89801E-06	0.00669245
1366.399974	227.262205	5.12899E-06	0.007008254
1366.439974	248.270031	5.60311E-06	0.007656312
1366.479974	238.250581	5.37698E-06	0.007347541
1366.519974	213.261395	4.81301E-06	0.006577078
1366.559974	182.906355	4.12794E-06	0.00564108
1366.599974	167.722199	3.78526E-06	0.005172931
1366.639974	171.006559	3.85938E-06	0.005274383
1366.679974	176.056429	3.97335E-06	0.005430296
1366.719974	202.898291	4.57913E-06	0.006258391
1366.759974	222.837097	5.02912E-06	0.006873604
1366.799974	214.682795	4.84509E-06	0.006622271
1366.839974	184.241036	4.15806E-06	0.005683407
1366.879974	163.869981	3.69832E-06	0.005055156
1366.919974	148.872073	3.35984E-06	0.004592626
1366.959974	143.299681	3.23407E-06	0.00442085
1366.999974	145.525361	3.2843E-06	0.004489644
1367.039974	171.860284	3.87865E-06	0.005302266
1367.079974	214.974251	4.85167E-06	0.00663262
1367.119974	236.608428	5.33992E-06	0.007300315
1367.159974	227.543677	5.13534E-06	0.007020837
1367.199974	242.460809	5.472E-06	0.007481322
1367.239974	264.626198	5.97224E-06	0.008165492
1367.279974	302.326417	6.82309E-06	0.009329069
1367.319974	326.620867	7.37138E-06	0.010079032
1367.359974	305.746448	6.90027E-06	0.009435155
1367.399974	272.729301	6.15512E-06	0.008416512
1367.439974	255.505951	5.76641E-06	0.007885224
1367.479974	209.505059	4.72824E-06	0.00646577
1367.519974	170.912237	3.85725E-06	0.005274868
1367.559974	154.654418	3.49033E-06	0.004773242
1367.599974	142.915324	3.2254E-06	0.004411057
1367.639974	140.800974	3.17768E-06	0.004345925
1367.679974	142.789053	3.22255E-06	0.004407417
1367.719974	144.928521	3.27083E-06	0.004473586
1367.759974	149.080742	3.36454E-06	0.00460189
1367.799974	157.595899	3.55672E-06	0.004864881
1367.839974	171.511376	3.87077E-06	0.005294598
1367.879974	167.696317	3.78467E-06	0.005176977
1367.919974	153.733569	3.46955E-06	0.00474607
1367.959974	151.587063	3.42111E-06	0.00467994
1367.999974	174.169483	3.93076E-06	0.005377283
1368.039974	193.85106	4.37495E-06	0.005985104
1368.079974	211.892704	4.78212E-06	0.006542327

1368.119974	215.890905	4.87236E-06	0.006665969
1368.159974	220.897692	4.98535E-06	0.006820761
1368.199974	235.326164	5.31098E-06	0.007266488
1368.239974	253.016317	5.71023E-06	0.007812959
1368.279974	266.280501	6.00958E-06	0.008222788
1368.319974	257.892609	5.82028E-06	0.007964001
1368.359974	236.857375	5.34554E-06	0.007314624
1368.399974	229.162624	5.17188E-06	0.007077202
1368.439974	195.082939	4.40275E-06	0.006024899
1368.479974	162.637218	3.6705E-06	0.005023
1368.519974	176.589776	3.98539E-06	0.005454079
1368.559974	187.292827	4.22694E-06	0.005784818
1368.599974	193.207954	4.36043E-06	0.00596769
1368.639974	181.427624	4.09457E-06	0.00560399
1368.679974	190.519632	4.29976E-06	0.005884999
1368.719974	224.108861	5.05782E-06	0.006922746
1368.759974	240.026126	5.41706E-06	0.007414649
1368.799974	240.095744	5.41863E-06	0.007417016
1368.839974	222.779476	5.02782E-06	0.006882284
1368.879974	215.760125	4.86941E-06	0.006665632
1368.919974	225.011859	5.0782E-06	0.006951655
1368.959974	208.87485	4.71401E-06	0.006453297
1368.999974	193.068802	4.35729E-06	0.005965135
1369.039974	202.782471	4.57652E-06	0.006265436
1369.079974	215.232329	4.85749E-06	0.006650298
1369.119974	239.217738	5.39881E-06	0.00739162
1369.159974	261.704654	5.90631E-06	0.008086683
1369.199974	285.43044	6.44177E-06	0.008820068
1369.239974	298.697966	6.7412E-06	0.009230316
1369.279974	305.063761	6.88486E-06	0.009427307
1369.319974	307.191488	6.93288E-06	0.009493337
1369.359974	292.676025	6.60529E-06	0.00904502
1369.399974	261.805745	5.90859E-06	0.008091224
1369.439974	237.176993	5.35275E-06	0.007330276
1369.479974	220.396085	4.97403E-06	0.006811838
1369.519974	188.880821	4.26278E-06	0.005837958
1369.559974	179.505807	4.0512E-06	0.005548356
1369.599974	165.725543	3.74019E-06	0.005122571
1369.639974	158.274394	3.57203E-06	0.004892399
1369.679974	163.033959	3.67945E-06	0.005039668
1369.719974	156.876198	3.54048E-06	0.004849462
1369.759974	155.902646	3.51851E-06	0.004819508
1369.799974	150.131614	3.38826E-06	0.00464124
1369.839974	143.795569	3.24527E-06	0.004445495
1369.879974	155.241943	3.50359E-06	0.004799504
1369.919974	168.694556	3.8072E-06	0.005215561

1369.959974	160.454012	3.62122E-06	0.004960931
1369.999974	158.084357	3.56774E-06	0.004887809
1370.039974	175.904701	3.96992E-06	0.005438955
1370.079974	207.10768	4.67413E-06	0.006403934
1370.119974	221.101976	4.98996E-06	0.006836849
1370.159974	225.926983	5.09886E-06	0.00698625
1370.199974	230.760023	5.20793E-06	0.007135909
1370.239974	244.425343	5.51634E-06	0.007558709
1370.279974	277.677378	6.26679E-06	0.008587259
1370.319974	260.57623	5.88084E-06	0.008058636
1370.359974	223.36663	5.04107E-06	0.006908086
1370.399974	214.417387	4.8391E-06	0.006631505
1370.439974	209.34188	4.72455E-06	0.006474719
1370.479974	199.172145	4.49504E-06	0.006160359
1370.519974	184.33086	4.16009E-06	0.005701487
1370.559974	164.621757	3.71528E-06	0.005092019
1370.599974	162.838262	3.67503E-06	0.005037
1370.639974	167.484518	3.77989E-06	0.005180871
1370.679974	165.243325	3.72931E-06	0.005111693
1370.719974	177.181039	3.99873E-06	0.005481138
1370.759974	194.775218	4.39581E-06	0.006025594
1370.799974	208.97509	4.71628E-06	0.006465072
1370.839974	205.978952	4.64866E-06	0.006372566
1370.879974	197.846147	4.46511E-06	0.006121133
1370.919974	197.442253	4.456E-06	0.006108815
1370.959974	209.561755	4.72952E-06	0.006483978
1370.999974	216.665473	4.88984E-06	0.006703968
1371.039974	211.610284	4.77575E-06	0.006547743
1371.079974	205.743161	4.64334E-06	0.006366386
1371.119974	216.934199	4.8959E-06	0.00671287
1371.159974	235.82805	5.32231E-06	0.007297739
1371.199974	243.934557	5.50526E-06	0.007548817
1371.239974	273.81349	6.17959E-06	0.0084737
1371.279974	310.354449	7.00427E-06	0.009604812
1371.319974	320.265854	7.22795E-06	0.009911838
1371.359974	297.852554	6.72212E-06	0.009218443
1371.399974	261.094791	5.89255E-06	0.008081037
1371.439974	235.582086	5.31676E-06	0.007291617
1371.479974	229.48018	5.17905E-06	0.007102961
1371.519974	229.118285	5.17088E-06	0.007091966
1371.559974	207.708904	4.6877E-06	0.006429463
1371.599974	185.179877	4.17925E-06	0.005732262
1371.639974	179.483766	4.0507E-06	0.0055561
1371.679974	171.735348	3.87583E-06	0.005316395
1371.719974	162.963582	3.67786E-06	0.005044995
1371.759974	191.853861	4.32987E-06	0.005939548

1371.799974	220.241356	4.97054E-06	0.006818588
1371.839974	199.94634	4.51251E-06	0.006190442
1371.879974	177.860492	4.01406E-06	0.005506813
1371.919974	166.836	3.76526E-06	0.00516563
1371.959974	181.000061	4.08492E-06	0.005604346
1371.999974	190.409429	4.29728E-06	0.005895862
1372.039974	193.912062	4.37633E-06	0.006004493
1372.079974	206.251289	4.6548E-06	0.006386764
1372.119974	221.497793	4.9989E-06	0.006859086
1372.159974	251.106056	5.66711E-06	0.007776187
1372.199974	258.312118	5.82974E-06	0.007999576
1372.239974	250.218305	5.64708E-06	0.007749147
1372.279974	270.474939	6.10424E-06	0.00837673
1372.319974	284.862072	6.42894E-06	0.008822563
1372.359974	262.486112	5.92395E-06	0.008129786
1372.399974	240.356346	5.42451E-06	0.007444595
1372.439974	210.899679	4.75971E-06	0.006532419
1372.479974	176.99125	3.99445E-06	0.005482297
1372.519974	148.524139	3.35198E-06	0.004600664
1372.559974	142.683095	3.22016E-06	0.004419861
1372.599974	159.783248	3.60609E-06	0.004949713
1372.639974	173.929252	3.92534E-06	0.00538808
1372.679974	175.023355	3.95003E-06	0.005422132
1372.719974	166.586824	3.75963E-06	0.005160923
1372.759974	182.876738	4.12727E-06	0.005665756
1372.799974	197.327605	4.45341E-06	0.00611364
1372.839974	185.54932	4.18759E-06	0.005748891
1372.879974	184.509388	4.16412E-06	0.005716837
1372.919974	205.780325	4.64418E-06	0.006376081
1372.959974	207.628463	4.68589E-06	0.006433533
1372.999974	198.913868	4.48921E-06	0.006163684
1373.039974	198.09891	4.47082E-06	0.00613861
1373.079974	195.027594	4.4015E-06	0.006043613
1373.119974	212.288842	4.79106E-06	0.006578705
1373.159974	249.307032	5.62651E-06	0.007726102
1373.199974	276.355982	6.23697E-06	0.008564606
1373.239974	274.057292	6.18509E-06	0.008493615
1373.279974	268.480868	6.05924E-06	0.008321032
1373.319974	279.257298	6.30245E-06	0.008655278
1373.359974	305.251335	6.8891E-06	0.009461211
1373.399974	304.704001	6.87674E-06	0.009444521
1373.439974	263.030048	5.93622E-06	0.008153044
1373.479974	223.400917	5.04185E-06	0.006924877
1373.519974	197.037432	4.44686E-06	0.006107852
1373.559974	185.218124	4.18012E-06	0.005741639
1373.599974	171.666309	3.87427E-06	0.005321696

1373.639974	170.273563	3.84284E-06	0.005278675
1373.679974	158.720243	3.58209E-06	0.004920652
1373.719974	157.120238	3.54598E-06	0.00487119
1373.759974	155.915817	3.5188E-06	0.00483399
1373.799974	166.615122	3.76027E-06	0.005165861
1373.839974	189.483203	4.27637E-06	0.005875051
1373.879974	199.266344	4.49716E-06	0.006178563
1373.919974	182.660789	4.1224E-06	0.005663847
1373.959974	177.086821	3.9966E-06	0.005491172
1373.999974	182.274207	4.11367E-06	0.005652189
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1374.079974	179.227693	4.04492E-06	0.005558043
1374.119974	182.352124	4.11543E-06	0.005655099
1374.159974	191.637462	4.32499E-06	0.005943229
1374.199974	203.067695	4.58296E-06	0.006297897
1374.239974	230.119118	5.19347E-06	0.007137071
1374.279974	268.5021	6.05972E-06	0.00832775
1374.319974	292.963849	6.61179E-06	0.00908671
1374.359974	271.028926	6.11675E-06	0.00840661
1374.399974	244.732024	5.52326E-06	0.00759117
1374.439974	205.632971	4.64085E-06	0.006378569
1374.479974	168.432435	3.80129E-06	0.005224791
1374.519974	157.830031	3.562E-06	0.004896046
1374.559974	143.741236	3.24404E-06	0.004459127
1374.599974	131.624582	2.97058E-06	0.004083364
1374.639974	129.991623	2.93373E-06	0.004032822
1374.679974	153.822175	3.47155E-06	0.004772273
1374.719974	174.081203	3.92877E-06	0.005400959
1374.759974	183.721854	4.14635E-06	0.005700231
1374.799974	210.345656	4.74721E-06	0.006526462
1374.839974	225.785751	5.09567E-06	0.007005731
1374.879974	213.881164	4.827E-06	0.006636546
1374.919974	177.646781	4.00924E-06	0.005512385
1374.959974	168.542234	3.80376E-06	0.005230023
1374.999974	175.376506	3.958E-06	0.005442255
1375.039974	188.078586	4.24467E-06	0.005836593
1375.079974	204.378342	4.61253E-06	0.006342604
1375.119974	216.026799	4.87542E-06	0.006704293
1375.159974	248.626268	5.61115E-06	0.007716227
1375.199974	259.294043	5.85191E-06	0.00804754
1375.239974	274.985017	6.20603E-06	0.008534779
1375.279974	308.765873	6.96842E-06	0.009583523
1375.319974	321.807916	7.26276E-06	0.009988614
1375.359974	313.947119	7.08535E-06	0.009744906
1375.399974	291.693423	6.58311E-06	0.009054415
1375.439974	251.641569	5.6792E-06	0.007811398

1375.479974	203.267997	4.58748E-06	0.006309981
1375.519974	170.476352	3.84741E-06	0.005292195
1375.559974	156.227974	3.52585E-06	0.004850015
1375.599974	156.595459	3.53414E-06	0.004861565
1375.639974	171.197342	3.86369E-06	0.00531504
1375.679974	173.73967	3.92106E-06	0.005394127
1375.719974	163.440821	3.68863E-06	0.005074524
1375.759974	165.230308	3.72902E-06	0.005130234
1375.799974	170.298515	3.8434E-06	0.00528775
1375.839974	173.432057	3.91412E-06	0.005385203
1375.879974	170.887542	3.85669E-06	0.005306348
1375.919974	180.065731	4.06383E-06	0.005591509
1375.959974	178.843872	4.03626E-06	0.005553728
1375.999974	177.905559	4.01508E-06	0.005524751
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1376.079974	225.968031	5.09978E-06	0.00701771
1376.119974	228.830839	5.16439E-06	0.007106825
1376.159974	282.651752	6.37906E-06	0.008778602
1376.199974	298.047577	6.72652E-06	0.009257035
1376.239974	272.905855	6.15911E-06	0.008476407
1376.279974	295.039832	6.65864E-06	0.00916415
1376.319974	307.930538	6.94956E-06	0.009564823
1376.359974	272.914828	6.15931E-06	0.008477424
1376.399974	237.928521	5.36972E-06	0.007390876
1376.439974	201.866924	4.55586E-06	0.006270861
1376.479974	185.88957	4.19527E-06	0.005774703
1376.519974	187.179164	4.22437E-06	0.005814934
1376.559974	194.98329	4.4005E-06	0.006057554
1376.599974	197.65837	4.46087E-06	0.006140839
1376.639974	202.028817	4.55951E-06	0.006276802
1376.679974	200.230485	4.51892E-06	0.006221111
1376.719974	185.545961	4.18751E-06	0.005765034
1376.759974	194.647342	4.39292E-06	0.006047996
1376.799974	200.893804	4.53389E-06	0.006242264
1376.839974	195.911296	4.42145E-06	0.006087622
1376.879974	191.897564	4.33086E-06	0.005963075
1376.919974	170.508255	3.84813E-06	0.005298572
1376.959974	172.884992	3.90177E-06	0.005372586
1376.999974	177.427974	4.0043E-06	0.005513924
1377.039974	186.134757	4.2008E-06	0.005784673
1377.079974	203.789815	4.59925E-06	0.006333538
1377.119974	218.445569	4.93001E-06	0.006789218
1377.159974	228.571885	5.15855E-06	0.007104147
1377.199974	236.529333	5.33814E-06	0.007351683
1377.239974	241.780724	5.45665E-06	0.007515122
1377.279974	258.110507	5.82519E-06	0.008022924

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1377.359974	260.293117	5.87445E-06	0.008091237
1377.399974	225.056519	5.07921E-06	0.006996107
1377.439974	190.360073	4.29616E-06	0.005917705
1377.479974	161.944103	3.65485E-06	0.005034487
1377.519974	160.042727	3.61194E-06	0.004975521
1377.559974	162.804629	3.67427E-06	0.005061532
1377.599974	151.064122	3.40931E-06	0.004696661
1377.639974	142.234561	3.21004E-06	0.004422274
1377.679974	150.034564	3.38607E-06	0.004664922
1377.719974	167.113236	3.77151E-06	0.005196089
1377.759974	197.893293	4.46618E-06	0.006153319
1377.799974	199.798035	4.50916E-06	0.006212725
1377.839974	197.12554	4.44885E-06	0.006129802
1377.879974	201.39514	4.54521E-06	0.006262751
1377.919974	197.743284	4.46279E-06	0.006149368
1377.959974	209.168247	4.72064E-06	0.006504847
1377.999974	195.093337	4.40298E-06	0.006067313
1378.039974	167.124629	3.77177E-06	0.00519765
1378.079974	157.72889	3.55972E-06	0.004905581
1378.119974	177.640914	4.00911E-06	0.005525032
1378.159974	217.361524	4.90555E-06	0.006760628
1378.199974	259.921119	5.86606E-06	0.0080846
1378.239974	286.310416	6.46163E-06	0.008905673
1378.279974	304.80159	6.87895E-06	0.009481115
1378.319974	289.8966	6.54256E-06	0.009017745
1378.359974	245.16117	5.53295E-06	0.007626391
1378.399974	230.226052	5.19588E-06	0.007162003
1378.439974	209.739128	4.73352E-06	0.006524873
1378.479974	187.264107	4.22629E-06	0.005825856
1378.519974	162.452931	3.66634E-06	0.005054118
1378.559974	155.958134	3.51976E-06	0.004852197
1378.599974	149.832783	3.38152E-06	0.00466176
1378.639974	142.637253	3.21912E-06	0.004438013
1378.679974	160.718645	3.6272E-06	0.005000742
1378.719974	174.258749	3.93278E-06	0.005422199
1378.759974	190.370093	4.29639E-06	0.005923688
1378.799974	192.301497	4.33998E-06	0.00598396
1378.839974	173.041984	3.90532E-06	0.005384807
1378.879974	172.601245	3.89537E-06	0.005371247
1378.919974	177.206562	3.99931E-06	0.005514722
1378.959974	188.852115	4.26213E-06	0.005877306
1378.999974	181.220948	4.0899E-06	0.005639978
1379.039974	155.877083	3.51793E-06	0.004851364
1379.079974	169.28013	3.82042E-06	0.00526866
1379.119974	197.311931	4.45306E-06	0.006141298

1379.159974	224.102127	5.05767E-06	0.00697534
1379.199974	264.282836	5.9645E-06	0.008226232
1379.239974	286.519792	6.46635E-06	0.008918652
1379.279974	302.327024	6.8231E-06	0.009410965
1379.319974	304.800794	6.87893E-06	0.009488245
1379.359974	289.908274	6.54283E-06	0.009024912
1379.399974	259.230401	5.85047E-06	0.008070137
1379.439974	230.677903	5.20608E-06	0.007181473
1379.479974	200.388982	4.5225E-06	0.006238698
1379.519974	173.630245	3.91859E-06	0.005405777
1379.559974	168.445125	3.80157E-06	0.005244496
1379.599974	168.790323	3.80936E-06	0.005255396
1379.639974	163.260725	3.68457E-06	0.005083376
1379.679974	161.665413	3.64856E-06	0.00503385
1379.719974	162.787487	3.67389E-06	0.005068935
1379.759974	150.268643	3.39135E-06	0.004679254
1379.799974	151.067068	3.40937E-06	0.004704253
1379.839974	162.976529	3.67815E-06	0.005075263
1379.879974	176.893986	3.99225E-06	0.005508827
1379.919974	170.796866	3.85465E-06	0.005319105
1379.959974	165.303846	3.73068E-06	0.005148186
1379.999974	188.908582	4.2634E-06	0.005883497
1380.039974	207.84301	4.69073E-06	0.006473391
1380.079974	211.088166	4.76397E-06	0.006574654
1380.119974	224.252867	5.06107E-06	0.00698489
1380.159974	239.039491	5.39479E-06	0.007445671
1380.199974	235.815582	5.32203E-06	0.007345465
1380.239974	254.059505	5.73377E-06	0.007913977
1380.279974	278.675874	6.28933E-06	0.008681031
1380.319974	268.307301	6.05532E-06	0.008358282
1380.359974	249.630986	5.63382E-06	0.007776705
1380.399974	254.494028	5.74358E-06	0.007928432
1380.439974	221.922729	5.00849E-06	0.006913915
1380.479974	180.841918	4.08135E-06	0.005634222
1380.519974	174.194649	3.93133E-06	0.00542728
1380.559974	184.314569	4.15972E-06	0.005742747
1380.599974	178.614671	4.03108E-06	0.005565315
1380.639974	173.491964	3.91547E-06	0.005405857
1380.679974	149.54512	3.37503E-06	0.00465983
1380.719974	163.04982	3.67981E-06	0.005080783
1380.759974	199.002706	4.49121E-06	0.006201288
1380.799974	213.866839	4.82668E-06	0.006664675
1380.839974	195.351578	4.40881E-06	0.006087865
1380.879974	183.300528	4.13684E-06	0.005712476
1380.919974	182.18991	4.11177E-06	0.005678029
1380.959974	193.561761	4.36842E-06	0.006032612

1380.999974	201.782482	4.55395E-06	0.006289004
1381.039974	209.858014	4.7362E-06	0.006540886
1381.079974	206.235946	4.65446E-06	0.006428179
1381.119974	196.595991	4.4369E-06	0.006127888
1381.159974	214.037099	4.83052E-06	0.00667172
1381.199974	250.766895	5.65946E-06	0.007816845
1381.239974	275.226823	6.21149E-06	0.008579553
1381.279974	269.826654	6.08961E-06	0.008411459
1381.319974	270.122785	6.0963E-06	0.008420934
1381.359974	263.885596	5.95553E-06	0.008226731
1381.399974	237.073548	5.35042E-06	0.00739107
1381.439974	204.857969	4.62336E-06	0.006386893
1381.479974	176.493097	3.9832E-06	0.005502716
1381.519974	162.491668	3.66721E-06	0.005066325
1381.559974	149.907991	3.38321E-06	0.004674114
1381.599974	145.706945	3.2884E-06	0.004543257
1381.639974	139.218195	3.14196E-06	0.004341059
1381.679974	152.185201	3.43461E-06	0.004745529
1381.719974	180.411368	4.07163E-06	0.005625857
1381.759974	206.797405	4.66713E-06	0.006448853
1381.799974	210.598837	4.75292E-06	0.006567588
1381.839974	191.999429	4.33316E-06	0.005987733
1381.879974	178.486343	4.02819E-06	0.005566473
1381.919974	185.033287	4.17594E-06	0.00577082
1381.959974	183.224646	4.13513E-06	0.005714577
1381.999974	183.75011	4.14698E-06	0.005731132
1382.039974	195.596848	4.41435E-06	0.006100806
1382.079974	195.36303	4.40907E-06	0.006093689
1382.119974	197.4336	4.4558E-06	0.006158452
1382.159974	206.825911	4.66777E-06	0.006451609
1382.199974	229.795491	5.18616E-06	0.007168316
1382.239974	244.349605	5.51463E-06	0.007622542
1382.279974	224.05874	5.05669E-06	0.006989766
1382.319974	203.026127	4.58202E-06	0.006333813
1382.359974	202.487454	4.56986E-06	0.006317191
1382.399974	189.374332	4.27391E-06	0.00590826
1382.439974	175.997315	3.97201E-06	0.005491071
1382.479974	174.048354	3.92803E-06	0.005430421
1382.519974	170.28577	3.84311E-06	0.00531318
1382.559974	171.652474	3.87396E-06	0.005355978
1382.599974	179.126206	4.04263E-06	0.005589339
1382.639974	176.348297	3.97994E-06	0.005502818
1382.679974	178.189356	4.02149E-06	0.005560428
1382.719974	173.880235	3.92423E-06	0.005426118
1382.759974	171.830544	3.87798E-06	0.00536231
1382.799974	174.717932	3.94314E-06	0.005452574

1382.839974	179.136235	4.04286E-06	0.005590622
1382.879974	164.923552	3.72209E-06	0.00514721
1382.919974	152.309296	3.43741E-06	0.004753661
1382.959974	145.788599	3.29025E-06	0.004550278
1382.999974	162.073681	3.65778E-06	0.005058706
1383.039974	177.031237	3.99535E-06	0.005525727
1383.079974	200.4322	4.52348E-06	0.006256328
1383.119974	233.986271	5.28074E-06	0.007303903
1383.159974	248.40891	5.60624E-06	0.007754331
1383.199974	250.413966	5.65149E-06	0.007817147
1383.239974	249.615383	5.63347E-06	0.007792443
1383.279974	257.424551	5.80971E-06	0.00803646
1383.319974	270.379889	6.1021E-06	0.008441153
1383.359974	274.232828	6.18905E-06	0.008561688
1383.399974	238.119845	5.37403E-06	0.007434437
1383.439974	214.314401	4.83678E-06	0.006691391
1383.479974	194.064704	4.37977E-06	0.006059324
1383.519974	174.351045	3.93486E-06	0.005443958
1383.559974	169.355961	3.82213E-06	0.005288144
1383.599974	181.778452	4.10249E-06	0.0056762
1383.639974	193.642735	4.37025E-06	0.006046848
1383.679974	184.3216	4.15988E-06	0.005755945
1383.719974	167.257892	3.77478E-06	0.005223235
1383.759974	166.351405	3.75432E-06	0.005195077
1383.799974	162.336928	3.66372E-06	0.005069853
1383.839974	165.31575	3.73095E-06	0.005163033
1383.879974	169.006276	3.81424E-06	0.005278445
1383.919974	174.698397	3.9427E-06	0.005456381
1383.959974	179.235948	4.04511E-06	0.005598264
1383.999974	172.728413	3.89824E-06	0.005395164
1384.039974	159.975798	3.61043E-06	0.004996981
1384.079974	174.543504	3.9392E-06	0.005452173
1384.119974	196.778879	4.44103E-06	0.006146912
1384.159974	211.300996	4.76877E-06	0.006600739
1384.199974	227.705351	5.13899E-06	0.007113393
1384.239974	250.024192	5.6427E-06	0.007810848
1384.279974	242.297233	5.46831E-06	0.007569673
1384.319974	228.25285	5.15135E-06	0.007131115
1384.359974	240.641665	5.43095E-06	0.007518386
1384.399974	234.762303	5.29826E-06	0.007334908
1384.439974	218.015097	4.9203E-06	0.006811856
1384.479974	216.841406	4.89381E-06	0.00677538
1384.519974	221.782755	5.00533E-06	0.006929976
1384.559974	183.7905	4.1479E-06	0.00574301
1384.599974	138.722852	3.13078E-06	0.00433488
1384.639974	144.368545	3.2582E-06	0.00451143

1384.679974	188.339517	4.25056E-06	0.005885666
1384.719974	202.982494	4.58103E-06	0.006343447
1384.759974	207.523737	4.68352E-06	0.006485553
1384.799974	204.976796	4.62604E-06	0.006406141
1384.839974	179.921194	4.06057E-06	0.005623241
1384.879974	185.216299	4.18007E-06	0.005788901
1384.919974	205.119632	4.62926E-06	0.006411161
1384.959974	200.634837	4.52805E-06	0.006271166
1384.999974	196.605301	4.43711E-06	0.006145394
1385.039974	214.95773	4.8513E-06	0.00671924
1385.079974	235.826826	5.32228E-06	0.007371788
1385.119974	248.01186	5.59728E-06	0.007752907
1385.159974	253.280203	5.71618E-06	0.007917826
1385.199974	264.448217	5.96823E-06	0.008267189
1385.239974	261.648552	5.90504E-06	0.008179902
1385.279974	253.550277	5.72228E-06	0.007926955
1385.319974	268.914431	6.06902E-06	0.00840754
1385.359974	276.557712	6.24152E-06	0.008646755
1385.399974	265.314937	5.98779E-06	0.008295482
1385.439974	255.145896	5.75829E-06	0.007977762
1385.479974	240.918094	5.43719E-06	0.007533112
1385.519974	210.187767	4.74365E-06	0.006572415
1385.559974	172.404106	3.89092E-06	0.005391104
1385.599973	165.058694	3.72514E-06	0.005161561
1385.639973	170.884624	3.85663E-06	0.005343898
1385.679973	181.737892	4.10157E-06	0.005683465
1385.719973	200.527932	4.52564E-06	0.006271264
1385.759973	220.583891	4.97827E-06	0.006898689
1385.799973	220.377101	4.9736E-06	0.006892421
1385.839973	208.981123	4.71641E-06	0.006536193
1385.879973	198.38606	4.4773E-06	0.006204996
1385.919973	195.601731	4.41446E-06	0.006118086
1385.959973	196.811294	4.44176E-06	0.006156097
1385.999973	215.717876	4.86845E-06	0.006747674
1386.039973	245.242544	5.53478E-06	0.00767143
1386.079973	252.542344	5.69953E-06	0.007900003
1386.119973	257.630372	5.81436E-06	0.008059399
1386.159973	262.528257	5.9249E-06	0.008212855
1386.199973	275.868438	6.22597E-06	0.008630434
1386.239973	288.528183	6.51168E-06	0.00902675
1386.279973	283.447236	6.39701E-06	0.008868046
1386.319973	275.575911	6.21936E-06	0.008622029
1386.359973	287.586163	6.49042E-06	0.008998057
1386.399973	291.789646	6.58529E-06	0.00912984
1386.439973	296.530972	6.69229E-06	0.00927846
1386.479973	278.86172	6.29352E-06	0.00872584

1386.519973	225.571501	5.09083E-06	0.007058544
1386.559973	175.183751	3.95365E-06	0.005481977
1386.599973	172.392719	3.89066E-06	0.005394794
1386.639973	186.920879	4.21854E-06	0.005849602
1386.679973	189.284651	4.27189E-06	0.005923746
1386.719973	202.278684	4.56515E-06	0.006330582
1386.759973	221.83566	5.00652E-06	0.006942844
1386.799973	225.220869	5.08292E-06	0.007048995
1386.839973	215.995836	4.87473E-06	0.006760464
1386.879973	215.608138	4.86598E-06	0.006748524
1386.919973	226.561052	5.11317E-06	0.007091554
1386.959973	236.117688	5.32885E-06	0.007390898
1386.999973	221.857229	5.00701E-06	0.006944721
1387.039973	220.362488	4.97327E-06	0.00689813
1387.079973	238.859208	5.39072E-06	0.007477359
1387.119973	263.272729	5.9417E-06	0.008241849
1387.159973	290.406366	6.55407E-06	0.00909154
1387.199973	292.547873	6.6024E-06	0.009158846
1387.239973	300.304702	6.77746E-06	0.009401962
1387.279973	321.151698	7.24795E-06	0.010054931
1387.319973	340.434961	7.68314E-06	0.010658978
1387.359973	345.015955	7.78653E-06	0.010802719
1387.399973	340.984926	7.69555E-06	0.010676813
1387.439973	303.995991	6.86077E-06	0.009518901
1387.479973	270.541903	6.10575E-06	0.008471611
1387.519973	234.375982	5.28954E-06	0.007339342
1387.559973	208.960718	4.71595E-06	0.006543667
1387.599973	199.294449	4.4978E-06	0.006241145
1387.639973	180.368477	4.07067E-06	0.005648618
1387.679973	167.849737	3.78813E-06	0.005256719
1387.719973	197.627598	4.46018E-06	0.00618948
1387.759973	249.993311	5.642E-06	0.007829743
1387.799973	271.694218	6.13176E-06	0.008509656
1387.839973	282.086983	6.36631E-06	0.00883542
1387.879973	295.57314	6.67067E-06	0.009258095
1387.919973	286.329005	6.46205E-06	0.008968804
1387.959973	257.734873	5.81672E-06	0.00807337
1387.999973	212.007727	4.78472E-06	0.00664119
1388.039973	176.091452	3.97414E-06	0.005516264
1388.079973	188.623353	4.25697E-06	0.00590901
1388.119973	235.700349	5.31943E-06	0.007384005
1388.159973	263.626645	5.94969E-06	0.008259116
1388.199973	285.022856	6.43257E-06	0.008929692
1388.239973	306.731499	6.9225E-06	0.009610095
1388.279973	329.2126	7.42987E-06	0.010314739
1388.319973	325.225193	7.33988E-06	0.010190101

1388.359973	324.587124	7.32548E-06	0.010170402
1388.399973	309.150065	6.97709E-06	0.009686987
1388.439973	278.507817	6.28553E-06	0.008727086
1388.479973	233.440392	5.26842E-06	0.007315102
1388.519973	193.837733	4.37465E-06	0.006074286
1388.559973	180.662073	4.07729E-06	0.005661564
1388.599973	193.882363	4.37565E-06	0.006076034
1388.639973	190.214712	4.29288E-06	0.005961266
1388.679973	177.659989	4.00954E-06	0.005567966
1388.719973	179.731952	4.0563E-06	0.005633065
1388.759973	210.454812	4.74967E-06	0.006596154
1388.799973	257.657096	5.81496E-06	0.008075819
1388.839973	281.439647	6.3517E-06	0.008821496
1388.879973	284.344186	6.41725E-06	0.008912793
1388.919973	282.880262	6.38421E-06	0.008867162
1388.959973	264.808223	5.97635E-06	0.008300915
1388.999973	245.814876	5.5477E-06	0.007705754
1389.039973	244.459436	5.51711E-06	0.007663485
1389.079973	249.255975	5.62536E-06	0.007814075
1389.119973	252.719259	5.70352E-06	0.007922876
1389.159973	249.614444	5.63345E-06	0.007825764
1389.199973	251.518782	5.67643E-06	0.007885694
1389.239973	264.663078	5.97308E-06	0.008298037
1389.279973	265.251379	5.98635E-06	0.008316722
1389.319973	273.178821	6.16527E-06	0.008565526
1389.359973	261.797761	5.90841E-06	0.008208909
1389.399973	224.317464	5.06253E-06	0.007033883
1389.439973	193.681935	4.37113E-06	0.006073425
1389.479973	179.743392	4.05656E-06	0.005636506
1389.519973	178.82463	4.03582E-06	0.005607856
1389.559973	175.939937	3.97072E-06	0.005517553
1389.599973	169.331915	3.82159E-06	0.005310475
1389.639973	203.86395	4.60093E-06	0.00639363
1389.679973	224.606348	5.06905E-06	0.007044361
1389.719973	192.769503	4.35054E-06	0.006046031
1389.759973	169.756355	3.83116E-06	0.005324399
1389.799973	166.937606	3.76755E-06	0.00523614
1389.839973	188.461552	4.25331E-06	0.005911427
1389.879973	197.100972	4.44829E-06	0.006182595
1389.919973	203.230266	4.58662E-06	0.00637504
1389.959973	231.215252	5.21821E-06	0.007253098
1389.999973	225.766086	5.09523E-06	0.007082364
1390.039973	210.649358	4.75406E-06	0.006608337
1390.079973	219.117954	4.94519E-06	0.006874205
1390.119973	206.936699	4.67027E-06	0.00649224
1390.159973	191.773788	4.32807E-06	0.006016706

1390.199973	197.944392	4.46733E-06	0.006210481
1390.239973	213.701562	4.82295E-06	0.006705053
1390.279973	253.997921	5.73238E-06	0.007969612
1390.319973	276.532858	6.24096E-06	0.008676933
1390.359973	281.009852	6.342E-06	0.008817664
1390.399973	262.533606	5.92502E-06	0.008238145
1390.439973	223.467093	5.04334E-06	0.007012463
1390.479973	184.34662	4.16045E-06	0.005785017
1390.519973	174.496446	3.93814E-06	0.005476065
1390.559973	175.099243	3.95175E-06	0.00549514
1390.599973	162.208757	3.66083E-06	0.005090744
1390.639973	148.292804	3.34676E-06	0.004654141
1390.679973	154.404502	3.48469E-06	0.004846095
1390.719973	174.718305	3.94315E-06	0.005483816
1390.759973	209.77902	4.73442E-06	0.006584442
1390.799973	210.86387	4.7589E-06	0.006618683
1390.839973	205.836342	4.64544E-06	0.006461063
1390.879973	209.414781	4.7262E-06	0.006573577
1390.919973	212.790748	4.80239E-06	0.006679741
1390.959973	199.35262	4.49911E-06	0.006258083
1390.999973	173.251622	3.91005E-06	0.005438876
1391.039973	170.274034	3.84285E-06	0.005345555
1391.079973	191.874731	4.33035E-06	0.006023857
1391.119973	215.94766	4.87364E-06	0.006779815
1391.159973	230.283493	5.19718E-06	0.007230106
1391.199973	255.353781	5.76298E-06	0.008017456
1391.239973	277.295555	6.25817E-06	0.008706622
1391.279973	284.415363	6.41886E-06	0.008930429
1391.319973	266.218159	6.00817E-06	0.008359291
1391.359973	251.919826	5.68548E-06	0.007910549
1391.399973	242.405262	5.47075E-06	0.007612
1391.439973	232.726055	5.2523E-06	0.007308264
1391.479973	219.97029	4.96442E-06	0.006907895
1391.519973	200.001106	4.51375E-06	0.006280968
1391.559973	181.254217	4.09066E-06	0.005692392
1391.599973	165.93127	3.74484E-06	0.005211316
1391.639973	149.469692	3.37332E-06	0.004694451
1391.679973	154.447624	3.48567E-06	0.004850934
1391.719973	146.918254	3.31574E-06	0.004614582
1391.759973	149.634674	3.37705E-06	0.004700038
1391.799973	169.957178	3.8357E-06	0.005338523
1391.839973	177.742938	4.01141E-06	0.005583242
1391.879973	169.419393	3.82356E-06	0.005321936
1391.919973	165.210876	3.72858E-06	0.005189884
1391.959973	164.77565	3.71876E-06	0.005176361
1391.999973	168.179581	3.79558E-06	0.005283446

1392.039973	170.064084	3.83811E-06	0.005342802
1392.079973	160.153739	3.61445E-06	0.005031599
1392.119973	152.383682	3.43909E-06	0.004787622
1392.159973	175.827941	3.96819E-06	0.005524358
1392.199973	222.861354	5.02967E-06	0.007002307
1392.239973	270.491434	6.10461E-06	0.008499089
1392.279973	282.607134	6.37805E-06	0.00888003
1392.319973	267.116132	6.02844E-06	0.008393516
1392.359973	246.960485	5.57355E-06	0.007760394
1392.399973	234.209172	5.28577E-06	0.007359913
1392.439973	223.73027	5.04928E-06	0.00703082
1392.479973	187.478864	4.23114E-06	0.005891773
1392.519973	165.542327	3.73606E-06	0.005202538
1392.559973	163.7119	3.69475E-06	0.00514516
1392.599973	163.001743	3.67872E-06	0.005122989
1392.639973	180.741181	4.07908E-06	0.005680685
1392.679973	191.986885	4.33288E-06	0.00603431
1392.719973	188.917949	4.26361E-06	0.005938022
1392.759973	171.97045	3.88113E-06	0.005405487
1392.799973	177.988107	4.01694E-06	0.005594799
1392.839973	178.217721	4.02213E-06	0.005602177
1392.879973	182.826902	4.12615E-06	0.00574723
1392.919973	199.048336	4.49224E-06	0.006257336
1392.959973	194.400578	4.38735E-06	0.006111403
1392.999973	176.018675	3.9725E-06	0.005533687
1393.039973	177.710071	4.01067E-06	0.005587022
1393.079973	174.391184	3.93577E-06	0.005482837
1393.119973	180.645849	4.07693E-06	0.005679646
1393.159973	215.0009	4.85227E-06	0.00675999
1393.199973	234.844637	5.30012E-06	0.007384122
1393.239973	254.961965	5.75414E-06	0.008016893
1393.279973	256.198038	5.78203E-06	0.008055991
1393.319973	231.750531	5.23029E-06	0.007287463
1393.359973	213.596727	4.82058E-06	0.006716804
1393.399973	228.862175	5.1651E-06	0.007197051
1393.439973	221.124905	4.99048E-06	0.006953936
1393.479973	183.090104	4.13209E-06	0.005757983
1393.519973	155.976775	3.52018E-06	0.004905439
1393.559973	141.489833	3.19323E-06	0.004449955
1393.599973	137.235863	3.09722E-06	0.004316289
1393.639973	138.587934	3.12774E-06	0.004358939
1393.679973	137.648377	3.10653E-06	0.004329512
1393.719973	152.32825	3.43784E-06	0.004791381
1393.759973	166.31328	3.75346E-06	0.005231421
1393.799973	168.642661	3.80603E-06	0.005304844
1393.839973	174.710212	3.94297E-06	0.005495864

1393.879973	180.113768	4.06492E-06	0.005666006
1393.919973	190.933538	4.3091E-06	0.006006546
1393.959973	198.065576	4.47006E-06	0.006231091
1393.999973	214.258631	4.83552E-06	0.006740713
1394.039973	195.68263	4.41628E-06	0.006156477
1394.079973	162.480697	3.66696E-06	0.00511204
1394.119973	145.487573	3.28345E-06	0.004577526
1394.159973	141.195252	3.18658E-06	0.004442603
1394.199973	163.175796	3.68265E-06	0.005134351
1394.239973	189.780369	4.28308E-06	0.005971639
1394.279973	195.944055	4.42218E-06	0.006165763
1394.319973	213.489354	4.81816E-06	0.006718053
1394.359973	224.008389	5.05556E-06	0.007049267
1394.399973	219.777249	4.96007E-06	0.006916316
1394.439973	202.900594	4.57918E-06	0.006385397
1394.479973	185.622528	4.18924E-06	0.005841814
1394.519973	170.682855	3.85207E-06	0.005371795
1394.559973	160.35997	3.6191E-06	0.005047054
1394.599973	145.900623	3.29277E-06	0.004592102
1394.639973	149.594792	3.37615E-06	0.004708508
1394.679973	175.383551	3.95816E-06	0.00552037
1394.719973	182.451275	4.11767E-06	0.005742998
1394.759973	186.553167	4.21025E-06	0.005872281
1394.799973	202.047334	4.55993E-06	0.006360186
1394.839973	191.49151	4.3217E-06	0.006028075
1394.879973	176.237643	3.97744E-06	0.005548049
1394.919973	180.383297	4.071E-06	0.005678719
1394.959973	204.917231	4.6247E-06	0.006451266
1394.999973	230.665257	5.20579E-06	0.007262082
1395.039973	237.842962	5.36778E-06	0.007488274
1395.079973	221.236208	4.99299E-06	0.006965625
1395.119973	221.179595	4.99172E-06	0.006964042
1395.159973	235.171625	5.3075E-06	0.007404806
1395.199973	237.912562	5.36936E-06	0.007491324
1395.239973	235.028756	5.30427E-06	0.007400732
1395.279973	242.977489	5.48366E-06	0.007651246
1395.319973	253.657146	5.72469E-06	0.007987772
1395.359973	246.832511	5.57067E-06	0.007773084
1395.399973	230.637722	5.20517E-06	0.007263297
1395.439973	210.868762	4.75901E-06	0.006640919
1395.479973	188.947224	4.26428E-06	0.005950711
1395.519973	170.730428	3.85315E-06	0.005377145
1395.559973	159.924496	3.60927E-06	0.005036957
1395.599973	155.8673	3.51771E-06	0.004909313
1395.639973	160.797386	3.62897E-06	0.00506474
1395.679973	164.932537	3.7223E-06	0.005195136

1395.719973	173.902018	3.92473E-06	0.005477819
1395.759973	172.048748	3.8829E-06	0.005419597
1395.799973	151.721936	3.42415E-06	0.004779432
1395.839973	144.681355	3.26526E-06	0.004557776
1395.879973	165.03269	3.72456E-06	0.005199036
1395.919973	183.280642	4.13639E-06	0.005774068
1395.959973	187.907172	4.2408E-06	0.005919991
1395.999973	163.774634	3.69617E-06	0.005159847
1396.039973	158.442785	3.57583E-06	0.004992006
1396.079973	185.059758	4.17654E-06	0.005830785
1396.119973	191.958915	4.33225E-06	0.006048334
1396.159973	187.635868	4.23468E-06	0.005912291
1396.199973	218.367867	4.92826E-06	0.006880835
1396.239973	237.74763	5.36563E-06	0.007491711
1396.279973	242.048969	5.46271E-06	0.00762747
1396.319973	245.496792	5.54052E-06	0.00773634
1396.359973	239.883065	5.41383E-06	0.007559651
1396.399973	225.647737	5.09256E-06	0.007111244
1396.439973	223.468461	5.04337E-06	0.007042766
1396.479973	198.161157	4.47222E-06	0.006245367
1396.519973	175.469162	3.96009E-06	0.005530351
1396.559973	158.614215	3.5797E-06	0.004999268
1396.599973	147.839776	3.33654E-06	0.004659809
1396.639973	159.455687	3.59869E-06	0.005026078
1396.679973	184.677012	4.1679E-06	0.005821227
1396.719973	202.947026	4.58023E-06	0.006397301
1396.759973	195.381472	4.40949E-06	0.006158996
1396.799973	186.726335	4.21415E-06	0.005886329
1396.839973	194.786615	4.39606E-06	0.006140596
1396.879973	221.713239	5.00376E-06	0.006989651
1396.919973	215.469918	4.86286E-06	0.006793021
1396.959973	188.132601	4.24589E-06	0.005931339
1396.999973	197.647126	4.46062E-06	0.006231486
1397.039973	215.614277	4.86611E-06	0.006798156
1397.079973	228.879933	5.1655E-06	0.007216618
1397.119973	216.768918	4.89217E-06	0.006834952
1397.159973	216.459146	4.88518E-06	0.00682538
1397.199973	226.370694	5.10887E-06	0.007138115
1397.239973	217.455204	4.90766E-06	0.00685718
1397.279973	230.333501	5.19831E-06	0.007263489
1397.319973	244.639219	5.52117E-06	0.007714836
1397.359973	251.821086	5.68325E-06	0.007941548
1397.399973	234.290554	5.28761E-06	0.007388908
1397.439973	204.315156	4.61111E-06	0.006443747
1397.479973	177.959501	4.0163E-06	0.005612696
1397.519973	163.453469	3.68892E-06	0.005155335

1397.559973	161.891375	3.65366E-06	0.005106213
1397.599973	147.638625	3.332E-06	0.0046568
1397.639973	157.332365	3.55077E-06	0.004962701
1397.679973	197.578438	4.45907E-06	0.006232353
1397.719973	213.610862	4.8209E-06	0.006738268
1397.759973	195.931628	4.4219E-06	0.00618076
1397.799973	191.963863	4.33236E-06	0.006055769
1397.839973	205.210974	4.63133E-06	0.006473852
1397.879973	196.66048	4.43835E-06	0.006204285
1397.919973	186.141666	4.20096E-06	0.005872603
1397.959973	187.580103	4.23342E-06	0.005918154
1397.999973	178.333613	4.02474E-06	0.005626588
1398.039973	172.169007	3.88561E-06	0.005432245
1398.079973	152.579462	3.44351E-06	0.004814297
1398.119973	162.103246	3.65844E-06	0.005114944
1398.159973	215.063126	4.85368E-06	0.006786214
1398.199973	253.089455	5.71188E-06	0.007986346
1398.239973	253.233987	5.71514E-06	0.007991135
1398.279973	223.698124	5.04856E-06	0.007059293
1398.319973	222.963499	5.03198E-06	0.007036312
1398.359973	225.407146	5.08713E-06	0.007113632
1398.399973	216.07447	4.8765E-06	0.006819297
1398.439973	192.650153	4.34785E-06	0.006080201
1398.479973	164.205199	3.70588E-06	0.005182603
1398.519973	150.859875	3.4047E-06	0.004761537
1398.559973	145.042812	3.27341E-06	0.004578066
1398.599973	159.294133	3.59505E-06	0.005028032
1398.639973	168.111632	3.79405E-06	0.005306504
1398.679973	162.160819	3.65974E-06	0.00511881
1398.719973	167.142775	3.77218E-06	0.005276223
1398.759973	175.403512	3.95861E-06	0.005537149
1398.799973	195.233046	4.40614E-06	0.006163306
1398.839973	198.708026	4.48456E-06	0.006273187
1398.879973	185.027377	4.17581E-06	0.005841457
1398.919973	165.195101	3.72822E-06	0.005215486
1398.959973	173.009841	3.90459E-06	0.005462367
1398.999973	179.432011	4.04953E-06	0.005665293
1399.039973	189.823852	4.28406E-06	0.005993571
1399.079973	198.50202	4.47991E-06	0.006267758
1399.119973	198.575926	4.48158E-06	0.006270271
1399.159973	242.064275	5.46305E-06	0.007643686
1399.199973	275.139943	6.20953E-06	0.008688368
1399.239973	278.593983	6.28748E-06	0.008797691
1399.279973	291.312617	6.57452E-06	0.009199594
1399.319973	292.003161	6.5901E-06	0.009221665
1399.359973	284.516939	6.42115E-06	0.008985502

1399.399973	263.889689	5.95562E-06	0.008334298
1399.439973	252.724592	5.70364E-06	0.007981905
1399.479973	244.97195	5.52868E-06	0.007737271
1399.519973	198.644305	4.48313E-06	0.006274223
1399.559973	157.559091	3.55589E-06	0.00497668
1399.599973	157.235428	3.54858E-06	0.004966599
1399.639973	159.109043	3.59087E-06	0.005025924
1399.679973	157.825515	3.5619E-06	0.004985523
1399.719973	145.861199	3.29188E-06	0.004607716
1399.759973	138.726883	3.13087E-06	0.00438247
1399.799973	155.426326	3.50776E-06	0.004910156
1399.839973	185.750837	4.19214E-06	0.005868322
1399.879973	206.758126	4.66624E-06	0.00653218
1399.919973	214.81297	4.84803E-06	0.006786853
1399.959973	205.480316	4.6374E-06	0.006492181
1399.999973	203.734876	4.59801E-06	0.006437217
1400.039973	232.739187	5.2526E-06	0.007353849
1400.079973	229.106102	5.17061E-06	0.007239261
1400.119973	202.120259	4.56157E-06	0.006386749
1400.159973	200.115012	4.51632E-06	0.006323566
1400.199973	215.695364	4.86794E-06	0.006816095
1400.239973	238.11334	5.37389E-06	0.007524731
1400.279973	259.01875	5.84569E-06	0.008185606
1400.319973	251.634674	5.67904E-06	0.007952479
1400.359973	240.7157	5.43262E-06	0.007607621
1400.399973	234.202259	5.28562E-06	0.00740198
1400.439973	221.53041	4.99963E-06	0.007001686
1400.479973	197.76251	4.46322E-06	0.006250656
1400.519973	182.454811	4.11775E-06	0.005766992
1400.559973	168.856058	3.81085E-06	0.005337318
1400.599973	157.544939	3.55557E-06	0.004979931
1400.639973	162.593546	3.66951E-06	0.005139662
1400.679973	178.583176	4.03037E-06	0.005645263
1400.719973	223.627988	5.04697E-06	0.007069395
1400.759973	231.629867	5.22756E-06	0.007322562
1400.799973	207.677358	4.68699E-06	0.006565534
1400.839973	190.650968	4.30273E-06	0.006027432
1400.879973	178.292989	4.02382E-06	0.005636895
1400.919973	170.493254	3.8478E-06	0.005390453
1400.959973	181.328137	4.09232E-06	0.005733181
1400.999973	197.536346	4.45812E-06	0.006245826
1401.039973	205.921414	4.64736E-06	0.006511136
1401.079973	208.320924	4.70151E-06	0.006587196
1401.119973	216.747076	4.89168E-06	0.00685383
1401.159973	251.810545	5.68301E-06	0.007962811
1401.199973	258.991395	5.84508E-06	0.008190119

1401.239973	253.926009	5.73076E-06	0.008030165
1401.279973	249.261838	5.62549E-06	0.00788289
1401.319973	245.859145	5.5487E-06	0.007775502
1401.359973	234.075105	5.28275E-06	0.007403033
1401.399973	218.786519	4.93771E-06	0.006919702
1401.439973	203.749128	4.59833E-06	0.006444289
1401.479973	196.908966	4.44396E-06	0.006228122
1401.519973	197.725566	4.46239E-06	0.00625413
1401.559973	182.621861	4.12152E-06	0.005776559
1401.599973	167.903404	3.78935E-06	0.005311147
1401.639973	155.878973	3.51797E-06	0.004930929
1401.679973	148.615838	3.35405E-06	0.004701308
1401.719973	145.91611	3.29312E-06	0.004616037
1401.759973	183.362354	4.13823E-06	0.005800809
1401.799973	216.171163	4.87868E-06	0.006838936
1401.839973	217.992969	4.9198E-06	0.006896769
1401.879973	206.603379	4.66275E-06	0.006536617
1401.919973	194.295986	4.38499E-06	0.006147405
1401.959973	185.097818	4.1774E-06	0.005856547
1401.999973	197.777152	4.46355E-06	0.006257904
1402.039973	194.879327	4.39815E-06	0.006166389
1402.079973	205.382392	4.63519E-06	0.006498913
1402.119973	250.245771	5.6477E-06	0.007918751
1402.159973	295.652157	6.67246E-06	0.009355853
1402.199973	299.336875	6.75562E-06	0.009472725
1402.239973	257.519053	5.81185E-06	0.008149603
1402.279973	233.853387	5.27775E-06	0.007400876
1402.319973	247.501216	5.58576E-06	0.00783302
1402.359973	249.640929	5.63405E-06	0.007900963
1402.399973	224.445066	5.06541E-06	0.007103734
1402.439973	206.886798	4.66915E-06	0.006548198
1402.479973	188.668304	4.25798E-06	0.005971733
1402.519973	172.013816	3.88211E-06	0.00544474
1402.559973	146.899862	3.31533E-06	0.004649943
1402.599973	133.852551	3.02087E-06	0.004237066
1402.639973	144.684279	3.26532E-06	0.004580072
1402.679973	155.394657	3.50704E-06	0.004919256
1402.719973	174.506205	3.93836E-06	0.005524419
1402.759973	193.186448	4.35995E-06	0.006115962
1402.799973	192.384931	4.34186E-06	0.006090761
1402.839973	197.593033	4.4594E-06	0.006255824
1402.879973	189.093247	4.26757E-06	0.00598689
1402.919973	188.046156	4.24394E-06	0.005953908
1402.959973	204.812097	4.62232E-06	0.006484935
1402.999973	197.276875	4.45226E-06	0.006246527
1403.039973	185.684798	4.19065E-06	0.005879646

1403.079973	178.596143	4.03067E-06	0.005655347
1403.119973	175.98186	3.97167E-06	0.005572723
1403.159973	205.576835	4.63958E-06	0.006510077
1403.199973	239.358878	5.402E-06	0.007580081
1403.239973	238.447724	5.38143E-06	0.007551442
1403.279973	246.82528	5.5705E-06	0.007816975
1403.319973	247.176364	5.57843E-06	0.007828317
1403.359973	234.024629	5.28161E-06	0.007412
1403.399973	222.716674	5.02641E-06	0.007054057
1403.439973	232.940349	5.25714E-06	0.007378079
1403.479973	233.679178	5.27381E-06	0.007401692
1403.519973	213.694324	4.82278E-06	0.006768873
1403.559973	196.018413	4.42386E-06	0.006209156
1403.599973	187.338012	4.22796E-06	0.005934362
1403.639973	184.005613	4.15275E-06	0.005828966
1403.679973	182.841881	4.12649E-06	0.005792267
1403.719973	182.948478	4.12889E-06	0.005795809
1403.759973	181.670206	4.10004E-06	0.005755477
1403.799973	170.347643	3.84451E-06	0.005396922
1403.839973	155.44158	3.5081E-06	0.004924811
1403.879973	163.683105	3.6941E-06	0.005186073
1403.919973	161.621264	3.64757E-06	0.005120892
1403.959973	162.543581	3.66838E-06	0.005150262
1403.999973	183.401156	4.13911E-06	0.005811308
1404.039973	203.865044	4.60095E-06	0.006459918
1404.079973	210.288768	4.74592E-06	0.006663658
1404.119973	216.202964	4.8794E-06	0.006851263
1404.159973	212.917599	4.80525E-06	0.006747345
1404.199973	224.768724	5.07272E-06	0.007123109
1404.239973	254.927083	5.75335E-06	0.008079083
1404.279973	252.046414	5.68834E-06	0.007988017
1404.319973	253.250226	5.7155E-06	0.008026398
1404.359973	254.192999	5.73678E-06	0.008056507
1404.399973	229.394704	5.17712E-06	0.007270746
1404.439973	189.208854	4.27018E-06	0.005997212
1404.479973	157.15322	3.54673E-06	0.00498131
1404.519973	159.161231	3.59205E-06	0.005045102
1404.559973	175.109347	3.95197E-06	0.005550785
1404.599973	181.285853	4.09137E-06	0.005746737
1404.639973	174.040736	3.92786E-06	0.005517225
1404.679973	187.737176	4.23697E-06	0.005951582
1404.719973	204.260442	4.60987E-06	0.006475582
1404.759973	219.5067	4.95396E-06	0.006959125
1404.799973	220.71664	4.98127E-06	0.006997684
1404.839973	211.170163	4.76582E-06	0.006695209
1404.879973	202.52938	4.57081E-06	0.006421434

1404.919973	181.615229	4.0988E-06	0.00575849
1404.959973	173.230212	3.90956E-06	0.005492782
1404.999973	185.37212	4.18359E-06	0.005877945
1405.039973	197.588765	4.4593E-06	0.006265499
1405.079973	197.795383	4.46397E-06	0.00627223
1405.119973	226.97006	5.1224E-06	0.007197584
1405.159973	234.910487	5.3016E-06	0.0074496
1405.199973	221.320021	4.99488E-06	0.007018812
1405.239973	243.698499	5.49994E-06	0.007728729
1405.279973	273.823802	6.17982E-06	0.00868438
1405.319973	266.213448	6.00807E-06	0.008443256
1405.359973	254.057026	5.73371E-06	0.008057931
1405.399973	244.504573	5.51813E-06	0.007755176
1405.439973	207.91056	4.69225E-06	0.006594678
1405.479973	178.093361	4.01932E-06	0.005649072
1405.519973	164.225005	3.70633E-06	0.00520932
1405.559973	162.605454	3.66978E-06	0.005158094
1405.599973	173.522304	3.91616E-06	0.00550455
1405.639973	181.552891	4.0974E-06	0.005759463
1405.679973	177.796212	4.01261E-06	0.00564045
1405.719973	180.861178	4.08178E-06	0.005737847
1405.759973	189.133113	4.26847E-06	0.006000446
1405.799973	181.954533	4.10646E-06	0.005772862
1405.839973	162.645235	3.67068E-06	0.005160384
1405.879973	152.405504	3.43958E-06	0.004835637
1405.919973	147.173287	3.3215E-06	0.004669758
1405.959973	166.30669	3.75331E-06	0.005277004
1405.999973	181.807893	4.10315E-06	0.00576903
1406.039973	197.933643	4.46709E-06	0.006280902
1406.079973	214.562201	4.84237E-06	0.00680876
1406.119973	198.258915	4.47443E-06	0.006291582
1406.159973	181.226835	4.09004E-06	0.005751247
1406.199973	184.246566	4.15819E-06	0.005847244
1406.239973	214.990001	4.85202E-06	0.006823111
1406.279973	239.283972	5.40031E-06	0.007594342
1406.319973	267.201606	6.03037E-06	0.008480627
1406.359973	249.432814	5.62935E-06	0.007916894
1406.399973	214.293035	4.8363E-06	0.006801766
1406.439973	177.529747	4.0066E-06	0.005635041
1406.479973	164.656327	3.71606E-06	0.00522657
1406.519973	162.308752	3.66308E-06	0.005152199
1406.559973	155.584	3.51131E-06	0.004938874
1406.599973	148.123322	3.34294E-06	0.004702175
1406.639973	152.062107	3.43183E-06	0.004827349
1406.679973	174.758258	3.94405E-06	0.005548017
1406.719973	196.905132	4.44387E-06	0.006251287

1406.759973	198.634893	4.48291E-06	0.006306382
1406.799973	191.526765	4.32249E-06	0.006080882
1406.839973	207.755701	4.68876E-06	0.00659633
1406.879973	209.243706	4.72234E-06	0.006643764
1406.919973	199.189661	4.49543E-06	0.006324715
1406.959973	188.650231	4.25757E-06	0.005990235
1406.999973	188.872423	4.26259E-06	0.005997461
1407.039973	178.031178	4.01792E-06	0.005653368
1407.079973	174.759935	3.94409E-06	0.005549648
1407.119973	188.386464	4.25162E-06	0.00598254
1407.159973	214.894998	4.84988E-06	0.006824558
1407.199973	232.748982	5.25282E-06	0.007391769
1407.239973	238.045286	5.37235E-06	0.007560186
1407.279973	251.353642	5.6727E-06	0.007983079
1407.319973	245.528984	5.54125E-06	0.007798308
1407.359973	225.795396	5.09589E-06	0.007171748
1407.399973	220.212192	4.96988E-06	0.006994612
1407.439973	215.230463	4.85745E-06	0.006836572
1407.479973	208.69082	4.70986E-06	0.006629035
1407.519973	190.412641	4.29735E-06	0.006048603
1407.559973	163.061123	3.68006E-06	0.005179909
1407.599973	164.217528	3.70616E-06	0.005216792
1407.639973	170.328136	3.84407E-06	0.005411065
1407.679973	156.46621	3.53122E-06	0.004970834
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1407.799973	184.303357	4.15947E-06	0.005855702
1407.839973	182.384051	4.11615E-06	0.005794886
1407.879973	167.668211	3.78404E-06	0.005327471
1407.919973	168.13548	3.79458E-06	0.00534247
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1408.079973	197.679279	4.46135E-06	0.006281932
1408.119973	204.665019	4.619E-06	0.006504112
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1408.199973	230.395674	5.19971E-06	0.007322231
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1408.279973	241.580062	5.45213E-06	0.007678119
1408.319973	240.054381	5.41769E-06	0.007629845
1408.359973	240.196308	5.4209E-06	0.007634573
1408.399973	224.091846	5.05744E-06	0.0071229
1408.439973	206.997873	4.67165E-06	0.006579744
1408.479973	184.319374	4.15983E-06	0.005859039
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1408.679973	176.417742	3.9815E-06	0.005608663
1408.719973	199.750383	4.50809E-06	0.006350633
1408.759973	229.424663	5.1778E-06	0.00729427
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1408.959973	197.230137	4.45121E-06	0.006271576
1408.999973	183.841076	4.14904E-06	0.005845993
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1409.359973	240.841892	5.43547E-06	0.007660528
1409.399973	239.700713	5.40971E-06	0.007624447
1409.439973	218.829552	4.93868E-06	0.00696077
1409.479973	194.034393	4.37909E-06	0.006172234
1409.519973	178.913516	4.03783E-06	0.0056914
1409.559973	190.617801	4.30198E-06	0.006063896
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1409.839973	174.884677	3.9469E-06	0.005564502
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1410.079973	167.404924	3.7781E-06	0.005327417
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1410.239973	222.884511	5.03019E-06	0.007093779
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1410.319973	237.938366	5.36994E-06	0.00757333
1410.359973	233.65158	5.27319E-06	0.007437097
1410.399973	225.594869	5.09136E-06	0.007180857

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1410.479973	158.002435	3.56589E-06	0.005029623
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1410.559973	167.729246	3.78542E-06	0.005339556
1410.599973	178.311733	4.02425E-06	0.005676603
1410.639973	176.444397	3.9821E-06	0.005617315
1410.679973	184.164426	4.15633E-06	0.005863258
1410.719973	189.298457	4.2722E-06	0.006026881
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1410.839973	236.678345	5.3415E-06	0.007536003
1410.879973	242.157536	5.46516E-06	0.007710682
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1410.959973	229.568554	5.18104E-06	0.007310244
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1411.199973	243.897564	5.50443E-06	0.007767849
1411.239973	258.138757	5.82583E-06	0.008221647
1411.279973	266.276412	6.00949E-06	0.00848107
1411.319973	259.898042	5.86554E-06	0.008278149
1411.359973	240.710185	5.43249E-06	0.007667204
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1411.839973	214.46243	4.84012E-06	0.006833473
1411.879973	210.172243	4.74329E-06	0.006696963
1411.919973	183.248461	4.13566E-06	0.005839225
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1412.199973	238.76746	5.38865E-06	0.00760985
1412.239973	256.045897	5.7786E-06	0.008160769

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1412.319973	269.769584	6.08832E-06	0.008598661
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1412.399973	241.129205	5.44195E-06	0.00768621
1412.439973	226.456139	5.1108E-06	0.007218698
1412.479973	203.764396	4.59868E-06	0.006495541
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1412.639973	170.183824	3.84081E-06	0.005425684
1412.679973	201.767061	4.5536E-06	0.006432782
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1412.799973	233.979314	5.28059E-06	0.007460413
1412.839973	203.284431	4.58785E-06	0.006481893
1412.879973	186.599152	4.21128E-06	0.005950037
1412.919973	206.434814	4.65895E-06	0.006582718
1412.959973	228.671446	5.1608E-06	0.007291998
1412.999973	221.959427	5.00932E-06	0.007078162
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1413.079973	197.903713	4.46641E-06	0.006311396
1413.119973	165.936591	3.74496E-06	0.005292075
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1413.199973	196.092965	4.42555E-06	0.00625418
1413.239973	214.993911	4.85211E-06	0.0068572
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1413.319973	241.425346	5.44863E-06	0.007700663
1413.359973	260.234819	5.87314E-06	0.008300857
1413.399973	264.571091	5.971E-06	0.008439413
1413.439973	242.174841	5.46555E-06	0.007725225
1413.479973	192.498216	4.34442E-06	0.006140746
1413.519973	165.014536	3.72415E-06	0.005264158
1413.559973	158.069538	3.56741E-06	0.005042747
1413.599973	159.186435	3.59262E-06	0.005078522
1413.639973	169.493025	3.82522E-06	0.005407486
1413.679973	178.34811	4.02507E-06	0.005690159
1413.719973	189.726049	4.28185E-06	0.006053341
1413.759973	190.289473	4.29457E-06	0.006071489
1413.799973	185.563004	4.1879E-06	0.005920851
1413.839973	183.038971	4.13093E-06	0.00584048
1413.879973	185.615036	4.18907E-06	0.005922846
1413.919973	177.086833	3.9966E-06	0.005650877
1413.959973	148.826612	3.35881E-06	0.004749222
1413.999973	135.959003	3.06841E-06	0.004338725
1414.039973	153.778176	3.47056E-06	0.004907509
1414.079973	182.116559	4.11012E-06	0.005812034

1414.119973	210.214868	4.74426E-06	0.006708948
1414.159973	234.40855	5.29027E-06	0.007481294
1414.199973	239.62218	5.40794E-06	0.007647907
1414.239973	230.741558	5.20752E-06	0.007364677
1414.279973	247.393889	5.58334E-06	0.0078964
1414.319973	273.164577	6.16494E-06	0.008719203
1414.359973	252.747863	5.70417E-06	0.008067746
1414.399973	224.161269	5.05901E-06	0.00715546
1414.439973	201.40943	4.54553E-06	0.00642938
1414.479973	197.275745	4.45224E-06	0.006297603
1414.519973	201.05455	4.53752E-06	0.006418414
1414.559973	200.424452	4.5233E-06	0.00639848
1414.599973	189.724319	4.28181E-06	0.006057053
1414.639973	189.885307	4.28545E-06	0.006062364
1414.679973	180.702606	4.07821E-06	0.005769357
1414.719973	179.743931	4.05657E-06	0.005738911
1414.759973	178.093671	4.01933E-06	0.005686382
1414.799973	190.526295	4.29991E-06	0.006083517
1414.839973	194.551545	4.39076E-06	0.006212219
1414.879973	195.625058	4.41499E-06	0.006246674
1414.919973	215.88498	4.87222E-06	0.006893806
1414.959973	224.979951	5.07748E-06	0.007184437
1414.999973	206.412865	4.65845E-06	0.006591708
1415.039973	209.790394	4.73468E-06	0.006699757
1415.079973	224.272443	5.06152E-06	0.007162451
1415.119973	222.229772	5.01542E-06	0.007097416
1415.159973	236.543874	5.33847E-06	0.007554783
1415.199973	268.917268	6.06909E-06	0.008588973
1415.239973	279.261685	6.30255E-06	0.008919617
1415.279973	280.66526	6.33422E-06	0.0089647
1415.319973	280.323956	6.32652E-06	0.008954052
1415.359973	253.357619	5.71793E-06	0.008092927
1415.399973	214.122687	4.83245E-06	0.006839851
1415.439973	189.207124	4.27014E-06	0.006044129
1415.479973	180.772692	4.07979E-06	0.005774858
1415.519973	162.65744	3.67095E-06	0.005196306
1415.559973	159.961087	3.6101E-06	0.005110312
1415.599973	151.912019	3.42844E-06	0.004853303
1415.639973	130.38139	2.94253E-06	0.004165558
1415.679973	137.408077	3.10111E-06	0.004390178
1415.719973	151.078685	3.40964E-06	0.004827089
1415.759973	159.633122	3.6027E-06	0.005100555
1415.799973	173.318242	3.91155E-06	0.005537974
1415.839973	171.200012	3.86375E-06	0.005470446
1415.879973	173.268041	3.91042E-06	0.005536683
1415.919973	182.492887	4.11861E-06	0.005831623

1415.959973	194.142441	4.38152E-06	0.006204063
1415.999973	195.361275	4.40903E-06	0.006243189
1416.039973	183.020651	4.13052E-06	0.005848983
1416.079973	199.200463	4.49568E-06	0.006366238
1416.119973	214.794872	4.84762E-06	0.006864813
1416.159973	218.088463	4.92195E-06	0.006970273
1416.199973	246.511147	5.56341E-06	0.007878906
1416.239973	266.842358	6.02226E-06	0.008528966
1416.279973	272.039104	6.13954E-06	0.008695313
1416.319973	266.085075	6.00517E-06	0.008505242
1416.359973	231.800775	5.23142E-06	0.007409575
1416.399973	205.087557	4.62854E-06	0.006555865
1416.439973	196.177088	4.42744E-06	0.006271208
1416.479973	207.777081	4.68924E-06	0.006642214
1416.519973	200.49035	4.52479E-06	0.006409452
1416.559973	179.198478	4.04426E-06	0.005728937
1416.599973	162.033133	3.65686E-06	0.005180311
1416.639973	153.613624	3.46685E-06	0.004911272
1416.679973	159.347278	3.59625E-06	0.00509473
1416.719973	168.490004	3.80258E-06	0.005387198
1416.759973	174.135604	3.93E-06	0.005567864
1416.799973	192.987691	4.35546E-06	0.00617082
1416.839973	216.280834	4.88116E-06	0.006915819
1416.879973	197.93353	4.46708E-06	0.006329322
1416.919973	183.007607	4.13023E-06	0.005852201
1416.959973	187.040995	4.22125E-06	0.005981349
1416.999973	197.826044	4.46466E-06	0.006326421
1417.039973	203.152353	4.58487E-06	0.006496938
1417.079973	204.522828	4.6158E-06	0.006540951
1417.119973	201.430329	4.546E-06	0.00644223
1417.159973	201.118264	4.53896E-06	0.006432431
1417.199973	228.316276	5.15278E-06	0.00730252
1417.239973	260.559962	5.88048E-06	0.008334045
1417.279973	276.140554	6.23211E-06	0.008832641
1417.319973	277.732426	6.26803E-06	0.00888381
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1417.559973	144.972091	3.27182E-06	0.004637998
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1417.879973	183.746778	4.14691E-06	0.005879819
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1418.399973	253.848591	5.72901E-06	0.008126026
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1418.479973	193.467909	4.3663E-06	0.006193511
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1418.559973	169.345999	3.8219E-06	0.005421599
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1419.079973	203.499112	4.59269E-06	0.006517397
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1419.759973	172.381099	3.8904E-06	0.005523436
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1419.919973	170.168012	3.84046E-06	0.005453139
1419.959973	166.852059	3.76562E-06	0.005347028
1419.999973	147.136722	3.32067E-06	0.004715353
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1424.319973	193.62438	4.36983E-06	0.00622404
1424.359973	193.206214	4.3604E-06	0.006210772
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1425.079973	201.90303	4.55667E-06	0.006493619
1425.119973	198.208269	4.47328E-06	0.006374967

1425.159973	203.61961	4.59541E-06	0.006549196
1425.199973	219.329941	4.94997E-06	0.007054699
1425.239973	233.858605	5.27786E-06	0.007522221
1425.279973	235.384689	5.3123E-06	0.007571521
1425.319973	231.286797	5.21982E-06	0.007439915
1425.359973	219.303981	4.94939E-06	0.007054656
1425.399973	202.914695	4.5795E-06	0.006527622
1425.439973	191.565228	4.32336E-06	0.006162691
1425.479973	200.473344	4.5244E-06	0.006449447
1425.519973	219.695706	4.95823E-06	0.00706805
1425.559973	209.788178	4.73463E-06	0.006749495
1425.599973	194.30015	4.38508E-06	0.006251375
1425.639973	174.671885	3.9421E-06	0.005620017
1425.679973	162.763747	3.67335E-06	0.005237023
1425.719973	176.548716	3.98446E-06	0.005680722
1425.759973	184.328308	4.16003E-06	0.005931209
1425.799973	191.673909	4.32581E-06	0.006167744
1425.839973	196.711625	4.43951E-06	0.006330027
1425.879973	185.121725	4.17794E-06	0.00595724
1425.919973	174.007848	3.92711E-06	0.005599751
1425.959973	173.911947	3.92495E-06	0.005596822
1425.999973	181.081659	4.08676E-06	0.005827721
1426.039973	190.076816	4.28977E-06	0.006117382
1426.079973	184.591104	4.16596E-06	0.005940998
1426.119973	173.068287	3.90591E-06	0.005570297
1426.159973	183.205742	4.1347E-06	0.005896741
1426.199973	188.174412	4.24683E-06	0.006056835
1426.239973	208.755233	4.71131E-06	0.006719466
1426.279973	224.774628	5.07285E-06	0.007235305
1426.319973	207.884741	4.69167E-06	0.006691821
1426.359973	194.090947	4.38036E-06	0.006247973
1426.399973	207.996575	4.69419E-06	0.006695797
1426.439973	223.324519	5.04012E-06	0.007189433
1426.479973	224.525218	5.06722E-06	0.00722829
1426.519973	215.068845	4.8538E-06	0.006924049
1426.559973	205.490109	4.63763E-06	0.006615851
1426.599973	191.524106	4.32243E-06	0.006166382
1426.639973	158.28932	3.57237E-06	0.005096485
1426.679973	157.441779	3.55324E-06	0.005069339
1426.719973	158.168471	3.56964E-06	0.00509288
1426.759973	159.867948	3.608E-06	0.005147746
1426.799973	170.610043	3.85043E-06	0.005493795
1426.839973	197.037228	4.44686E-06	0.006344952
1426.879973	204.080465	4.60581E-06	0.006571941
1426.919973	210.429833	4.74911E-06	0.006776597
1426.959973	217.248297	4.90299E-06	0.006996373

1426.999973	208.121146	4.697E-06	0.006702625
1427.039973	207.695505	4.6874E-06	0.006689105
1427.079973	224.752438	5.07235E-06	0.007238648
1427.119973	229.174235	5.17214E-06	0.007381269
1427.159973	214.458938	4.84004E-06	0.006907511
1427.199973	216.172001	4.8787E-06	0.006962882
1427.239973	221.943681	5.00896E-06	0.007148988
1427.279973	230.989574	5.21311E-06	0.007440572
1427.319973	240.571462	5.42936E-06	0.007749438
1427.359973	232.302808	5.24275E-06	0.007483293
1427.399973	226.200157	5.10502E-06	0.007286909
1427.439973	196.990103	4.44579E-06	0.006346102
1427.479973	178.195724	4.02163E-06	0.005740795
1427.519973	185.809875	4.19347E-06	0.005986262
1427.559973	174.276317	3.93317E-06	0.005614841
1427.599973	172.234266	3.88709E-06	0.005549206
1427.639973	177.588538	4.00793E-06	0.005721875
1427.679973	166.64406	3.76092E-06	0.005369396
1427.719973	163.34715	3.68652E-06	0.005263315
1427.759973	159.137295	3.59151E-06	0.00512781
1427.799973	171.541806	3.87146E-06	0.00552767
1427.839973	190.40149	4.2971E-06	0.006135566
1427.879973	196.570729	4.43633E-06	0.006334543
1427.919973	177.172162	3.99853E-06	0.005709579
1427.959973	164.705308	3.71717E-06	0.005307969
1427.999973	171.949143	3.88065E-06	0.005541572
1428.039973	185.792269	4.19307E-06	0.005987875
1428.079973	192.20461	4.33779E-06	0.006194711
1428.119973	175.457736	3.95984E-06	0.005655122
1428.159973	179.444264	4.04981E-06	0.005783772
1428.199973	191.454213	4.32085E-06	0.006171045
1428.239973	193.500535	4.36704E-06	0.006237178
1428.279973	191.984326	4.33282E-06	0.006188478
1428.319973	183.81102	4.14836E-06	0.005925184
1428.359973	184.4694	4.16322E-06	0.005946573
1428.399973	214.651133	4.84438E-06	0.006919708
1428.439973	229.292941	5.17482E-06	0.007391923
1428.479973	218.580914	4.93307E-06	0.007046787
1428.519973	213.361167	4.81526E-06	0.006878701
1428.559973	169.411477	3.82338E-06	0.005461929
1428.599973	149.439743	3.37265E-06	0.004818163
1428.639973	167.990318	3.79131E-06	0.005416413
1428.679973	191.637889	4.325E-06	0.006179041
1428.719973	192.296452	4.33986E-06	0.006200449
1428.759973	181.365964	4.09318E-06	0.005848168
1428.799973	171.833821	3.87805E-06	0.005540958

1428.839973	161.07446	3.63523E-06	0.005194157
1428.879973	171.677975	3.87453E-06	0.005536242
1428.919973	193.57093	4.36863E-06	0.006242417
1428.959973	200.582885	4.52688E-06	0.006468725
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1429.039973	216.355117	4.88283E-06	0.006977764
1429.079973	200.224938	4.5188E-06	0.006457724
1429.119973	195.071739	4.4025E-06	0.006291697
1429.159973	214.281168	4.83603E-06	0.006911457
1429.199973	235.549763	5.31603E-06	0.00759767
1429.239973	246.397442	5.56085E-06	0.007947785
1429.279973	259.390297	5.85408E-06	0.008367116
1429.319973	245.564009	5.54204E-06	0.007921345
1429.359973	233.403781	5.2676E-06	0.007529294
1429.399973	219.102875	4.94485E-06	0.007068164
1429.439973	205.603482	4.64018E-06	0.006632865
1429.479973	192.348379	4.34103E-06	0.006205423
1429.519973	189.496016	4.27666E-06	0.006113573
1429.559973	201.262291	4.54221E-06	0.006493361
1429.599973	191.838407	4.32953E-06	0.00618949
1429.639973	182.71265	4.12357E-06	0.005895221
1429.679973	196.148478	4.4268E-06	0.006328904
1429.719973	186.390983	4.20658E-06	0.006014238
1429.759973	155.919335	3.51888E-06	0.005031157
1429.799973	139.841431	3.15603E-06	0.004512486
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1429.879973	186.522789	4.20956E-06	0.006019165
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1430.319973	248.113485	5.59958E-06	0.008009185
1430.359972	228.420674	5.15514E-06	0.007373701
1430.399972	224.360981	5.06351E-06	0.007242851
1430.439972	198.061542	4.46997E-06	0.006394028
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1430.599972	178.169923	4.02105E-06	0.00575251
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1430.679972	169.223615	3.81914E-06	0.005463969
1430.719972	190.653694	4.30279E-06	0.006156085
1430.759972	226.816564	5.11893E-06	0.007323966
1430.799972	234.776057	5.29857E-06	0.007581192
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1430.879972	174.373689	3.93537E-06	0.005631044
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1431.199972	230.546936	5.20312E-06	0.00744671
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1431.319972	218.579609	4.93304E-06	0.007060755
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1431.439972	194.765393	4.39558E-06	0.006292014
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1432.079972	168.23194	3.79676E-06	0.005437265
1432.119972	170.092466	3.83875E-06	0.005497551
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1432.199972	237.328506	5.35617E-06	0.007671112
1432.239972	246.898055	5.57215E-06	0.007980649
1432.279972	261.474287	5.90111E-06	0.008452042
1432.319972	260.847914	5.88697E-06	0.008432031
1432.359972	251.819108	5.68321E-06	0.008140398
1432.399972	252.461036	5.69769E-06	0.008161377
1432.439972	240.971842	5.4384E-06	0.00779018
1432.479972	216.365375	4.88307E-06	0.006994893

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1432.639972	196.75839	4.44056E-06	0.006361728
1432.679972	191.498976	4.32187E-06	0.00619185
1432.719972	164.971249	3.72317E-06	0.005334262
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1432.799972	153.379928	3.46157E-06	0.004959739
1432.839972	180.046734	4.0634E-06	0.005822208
1432.879972	193.067683	4.35727E-06	0.006243443
1432.919972	197.194921	4.45041E-06	0.006377088
1432.959972	187.129271	4.22325E-06	0.006051744
1432.999972	169.358715	3.82219E-06	0.005477199
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1433.119972	208.730973	4.71077E-06	0.006751095
1433.159972	201.94185	4.55755E-06	0.006531693
1433.199972	213.077739	4.80887E-06	0.006892069
1433.239972	237.284406	5.35518E-06	0.007675256
1433.279972	246.093021	5.55398E-06	0.007960404
1433.319972	259.370265	5.85363E-06	0.008390118
1433.359972	248.168817	5.60082E-06	0.008027998
1433.399972	218.784755	4.93767E-06	0.007077652
1433.439972	212.594538	4.79796E-06	0.006877591
1433.479972	201.029314	4.53695E-06	0.006503629
1433.519972	175.221015	3.95449E-06	0.005668846
1433.559972	157.777069	3.56081E-06	0.005104633
1433.599972	141.525007	3.19402E-06	0.00457895
1433.639972	157.590839	3.55661E-06	0.005098892
1433.679972	166.509626	3.75789E-06	0.005387612
1433.719972	171.569693	3.87209E-06	0.005551491
1433.759972	166.183697	3.75053E-06	0.005377366
1433.799972	161.184063	3.6377E-06	0.005215734
1433.839972	188.402284	4.25198E-06	0.006096655
1433.879972	206.929757	4.67012E-06	0.006696386
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1433.959972	203.755348	4.59847E-06	0.006594028
1433.999972	182.296669	4.11418E-06	0.005899737
1434.039972	168.879227	3.81137E-06	0.005465655
1434.079972	177.864832	4.01416E-06	0.005756629
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1434.159972	202.138585	4.56199E-06	0.006542618
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1434.319972	202.942301	4.58013E-06	0.006569365

1434.359972	237.580984	5.36187E-06	0.007690854
1434.399972	243.45645	5.49447E-06	0.007881272
1434.439972	227.502099	5.13441E-06	0.007364996
1434.479972	200.886785	4.53373E-06	0.006503552
1434.519972	154.391976	3.48441E-06	0.004998458
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1434.679972	193.968858	4.37761E-06	0.006280465
1434.719972	208.414999	4.70364E-06	0.006748401
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1434.799972	202.684975	4.57432E-06	0.006563231
1434.839972	200.103078	4.51605E-06	0.006479806
1434.879972	216.608935	4.88856E-06	0.0070145
1434.919972	227.958683	5.14471E-06	0.007382247
1434.959972	210.719549	4.75565E-06	0.006824163
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1435.039972	173.686089	3.91985E-06	0.005625146
1435.079972	161.857702	3.6529E-06	0.005242208
1435.119972	179.603491	4.0534E-06	0.005817116
1435.159972	201.069562	4.53786E-06	0.006512555
1435.199972	229.19273	5.17256E-06	0.007423659
1435.239972	237.028184	5.3494E-06	0.007677667
1435.279972	220.392545	4.97395E-06	0.007139015
1435.319972	220.059443	4.96644E-06	0.007128424
1435.359972	231.211979	5.21813E-06	0.007489898
1435.399972	232.018432	5.23633E-06	0.007516232
1435.439972	225.962975	5.09967E-06	0.00732027
1435.479972	213.645865	4.82169E-06	0.006921439
1435.519972	189.474687	4.27618E-06	0.006138541
1435.559972	171.295933	3.86591E-06	0.005549747
1435.599972	170.020881	3.83713E-06	0.00550859
1435.639972	172.138149	3.88492E-06	0.005577344
1435.679972	171.360817	3.86737E-06	0.005552313
1435.719972	192.81747	4.35162E-06	0.00624771
1435.759972	201.771003	4.55369E-06	0.006538007
1435.799972	192.016334	4.33354E-06	0.006222098
1435.839972	198.497267	4.47981E-06	0.006432286
1435.879972	192.985659	4.35542E-06	0.006253857
1435.919972	185.42223	4.18472E-06	0.006008925
1435.959972	176.111269	3.97459E-06	0.005707346
1435.999972	172.684829	3.89726E-06	0.00559646
1436.039972	152.950239	3.45187E-06	0.004957029
1436.079972	153.282881	3.45938E-06	0.004967948
1436.119972	183.708605	4.14605E-06	0.005954221
1436.159972	213.95172	4.82859E-06	0.006934631

1436.199972	224.695902	5.07107E-06	0.007283076
1436.239972	218.571358	4.93285E-06	0.007084758
1436.279972	225.800566	5.096E-06	0.007319289
1436.319972	228.294269	5.15228E-06	0.007400328
1436.359972	249.439319	5.6295E-06	0.008085986
1436.399972	235.567083	5.31642E-06	0.007636507
1436.439972	204.445005	4.61404E-06	0.00662779
1436.479972	197.623313	4.46008E-06	0.00640682
1436.519972	191.166345	4.31436E-06	0.006197662
1436.559972	166.398902	3.75539E-06	0.005394845
1436.599972	162.730123	3.67259E-06	0.005276046
1436.639972	185.793083	4.19309E-06	0.006023962
1436.679972	187.211434	4.2251E-06	0.006070118
1436.719972	161.71496	3.64968E-06	0.00524357
1436.759972	147.122591	3.32035E-06	0.004770549
1436.799972	183.136419	4.13313E-06	0.005938487
1436.839972	212.668814	4.79964E-06	0.006896313
1436.879972	206.954258	4.67067E-06	0.006711191
1436.919972	193.935376	4.37685E-06	0.006289185
1436.959972	194.227079	4.38343E-06	0.00629882
1436.999972	199.325123	4.49849E-06	0.006464331
1437.039972	177.415868	4.00403E-06	0.00575395
1437.079972	170.844314	3.85572E-06	0.005540975
1437.119972	199.117413	4.4938E-06	0.006458134
1437.159972	247.136819	5.57753E-06	0.008015808
1437.199972	273.683349	6.17665E-06	0.008877084
1437.239972	256.464548	5.78805E-06	0.008318813
1437.279972	261.688577	5.90595E-06	0.008488499
1437.319972	256.81633	5.79599E-06	0.008330688
1437.359972	227.526717	5.13496E-06	0.007380788
1437.399972	199.870007	4.51079E-06	0.006483806
1437.439972	198.157148	4.47213E-06	0.00642842
1437.479972	192.954459	4.35471E-06	0.006259813
1437.519972	171.038878	3.86011E-06	0.005548984
1437.559972	153.548994	3.46539E-06	0.004981702
1437.599972	146.079049	3.2968E-06	0.004739481
1437.639972	131.888613	2.97654E-06	0.004279196
1437.679972	149.139676	3.36587E-06	0.004839051
1437.719972	171.367464	3.86752E-06	0.005560418
1437.759972	180.335141	4.06991E-06	0.005851558
1437.799972	184.068967	4.15418E-06	0.00597288
1437.839972	169.560257	3.82674E-06	0.005502238
1437.879972	160.107086	3.61339E-06	0.005195627
1437.919972	147.49062	3.32866E-06	0.004786344
1437.959972	149.306601	3.36964E-06	0.00484541
1437.999972	163.402192	3.68776E-06	0.005302999

1438.039972	163.544463	3.69097E-06	0.005307763
1438.079972	170.36613	3.84493E-06	0.005529311
1438.119972	184.351666	4.16056E-06	0.005983385
1438.159972	180.439932	4.07228E-06	0.005856587
1438.199972	184.910997	4.17318E-06	0.006001873
1438.239972	207.78951	4.68952E-06	0.006744655
1438.279972	221.870456	5.00731E-06	0.00720191
1438.319972	214.923096	4.85051E-06	0.006976592
1438.359972	195.392241	4.40973E-06	0.00634278
1438.399972	172.81941	3.90029E-06	0.005610182
1438.439972	169.40354	3.8232E-06	0.005499446
1438.479972	181.229545	4.0901E-06	0.005883525
1438.519972	167.481778	3.77983E-06	0.005437362
1438.559972	159.778842	3.60599E-06	0.005187427
1438.599972	179.289559	4.04632E-06	0.00582103
1438.639972	198.279394	4.47489E-06	0.006437755
1438.679972	198.753176	4.48558E-06	0.006453317
1438.719972	203.172451	4.58532E-06	0.00659699
1438.759972	188.430301	4.25261E-06	0.006118484
1438.799972	186.33442	4.20531E-06	0.006050597
1438.839972	202.690702	4.57445E-06	0.006581897
1438.879972	196.365296	4.43169E-06	0.006376672
1438.919972	179.017212	4.04017E-06	0.00581348
1438.959972	171.532426	3.87125E-06	0.005570571
1438.999972	163.719625	3.69492E-06	0.005316995
1439.039972	165.497157	3.73504E-06	0.005374872
1439.079972	178.151829	4.02064E-06	0.005786021
1439.119972	190.986839	4.31031E-06	0.006203049
1439.159972	196.546477	4.43578E-06	0.006383797
1439.199972	200.263603	4.51967E-06	0.00650471
1439.239972	217.403621	4.9065E-06	0.007061626
1439.279972	243.05416	5.48539E-06	0.007895017
1439.319972	249.874027	5.63931E-06	0.00811677
1439.359972	234.71288	5.29714E-06	0.007624495
1439.399972	228.267337	5.15168E-06	0.007415322
1439.439972	232.93801	5.25709E-06	0.00756726
1439.479972	224.048329	5.05646E-06	0.007278671
1439.519972	209.935841	4.73796E-06	0.006820387
1439.559972	186.636528	4.21213E-06	0.006063609
1439.599972	156.683806	3.53614E-06	0.00509062
1439.639972	131.390426	2.9653E-06	0.004268963
1439.679972	135.465485	3.05727E-06	0.004401487
1439.719972	160.849481	3.63015E-06	0.005226398
1439.759972	198.08972	4.47061E-06	0.006436604
1439.799972	216.056596	4.8761E-06	0.007020604
1439.839972	191.239612	4.31601E-06	0.006214366

1439.879972	173.197055	3.90882E-06	0.005628226
1439.919972	149.062751	3.36414E-06	0.00484409
1439.959972	143.828461	3.24601E-06	0.004674122
1439.999972	160.601197	3.62455E-06	0.005219345
1440.039972	183.652694	4.14479E-06	0.005968657
1440.079972	188.449303	4.25304E-06	0.006124715
1440.119972	187.952374	4.24182E-06	0.006108734
1440.159972	194.847706	4.39744E-06	0.006333019
1440.199972	190.769854	4.30541E-06	0.006200651
1440.239972	202.553765	4.57136E-06	0.00658385
1440.279972	210.060373	4.74077E-06	0.006828036
1440.319972	226.771234	5.11791E-06	0.007371429
1440.359972	228.428861	5.15532E-06	0.007425518
1440.399972	212.565207	4.7973E-06	0.006910032
1440.439972	206.002688	4.64919E-06	0.006696884
1440.479972	205.177144	4.63056E-06	0.006670232
1440.519972	189.461428	4.27588E-06	0.006159491
1440.559972	179.270976	4.0459E-06	0.005828356
1440.599972	164.347212	3.70909E-06	0.005343312
1440.639972	157.361503	3.55143E-06	0.005116332
1440.679972	152.682058	3.44582E-06	0.004964326
1440.719972	148.354939	3.34816E-06	0.004823767
1440.759972	151.086652	3.40982E-06	0.004912725
1440.799972	142.426934	3.21438E-06	0.004631275
1440.839972	142.678809	3.22006E-06	0.004639594
1440.879972	158.119776	3.56854E-06	0.005141842
1440.919972	184.979763	4.17474E-06	0.00601546
1440.959972	202.017698	4.55926E-06	0.006569708
1440.999972	194.666908	4.39336E-06	0.006330833
1441.039972	172.752036	3.89877E-06	0.005618287
1441.079972	166.992905	3.7688E-06	0.005431138
1441.119972	172.249644	3.88743E-06	0.00560226
1441.159972	194.482235	4.38919E-06	0.006325529
1441.199972	222.271069	5.01635E-06	0.007229561
1441.239972	239.01623	5.39426E-06	0.007774428
1441.279972	249.089714	5.62161E-06	0.008102311
1441.319972	267.452757	6.03604E-06	0.00869986
1441.359972	261.742388	5.90716E-06	0.008514346
1441.399972	218.740509	4.93667E-06	0.007115714
1441.439972	184.269997	4.15872E-06	0.005994541
1441.479972	172.466471	3.89233E-06	0.005610713
1441.519972	172.696855	3.89753E-06	0.005618364
1441.559972	161.581767	3.64668E-06	0.005256901
1441.599972	153.428747	3.46267E-06	0.004991789
1441.639972	158.522012	3.57762E-06	0.005157641
1441.679972	177.63287	4.00893E-06	0.005779589

1441.719972	186.383242	4.20641E-06	0.006064466
1441.759972	186.840422	4.21673E-06	0.00607951
1441.799972	191.817828	4.32906E-06	0.00624164
1441.839972	183.979768	4.15217E-06	0.00598676
1441.879972	190.415595	4.29741E-06	0.006196356
1441.919972	194.762412	4.39552E-06	0.006337983
1441.959972	202.933361	4.57992E-06	0.006604066
1441.999972	211.041135	4.7629E-06	0.006868108
1442.039972	202.569939	4.57172E-06	0.006592605
1442.079972	173.750575	3.92131E-06	0.00565484
1442.119972	174.029529	3.9276E-06	0.005664076
1442.159972	192.596434	4.34663E-06	0.00626854
1442.199972	210.416129	4.7488E-06	0.006848718
1442.239972	242.852228	5.48084E-06	0.007904682
1442.279972	257.075676	5.80184E-06	0.008367878
1442.319972	249.624764	5.63368E-06	0.008125574
1442.359972	213.438726	4.81701E-06	0.006947869
1442.399972	182.425708	4.11709E-06	0.005938496
1442.439972	171.323359	3.86653E-06	0.005577237
1442.479972	153.111727	3.45552E-06	0.004984516
1442.519972	142.500866	3.21605E-06	0.004639211
1442.559972	149.61228	3.37654E-06	0.004870863
1442.599972	160.908296	3.63148E-06	0.005238767
1442.639972	177.745774	4.01147E-06	0.005787114
1442.679972	208.806368	4.71247E-06	0.006798584
1442.719972	207.496563	4.68291E-06	0.006756125
1442.759972	190.895224	4.30824E-06	0.006215755
1442.799972	183.033701	4.13082E-06	0.005959941
1442.839972	193.930187	4.37673E-06	0.006314927
1442.879972	203.180176	4.58549E-06	0.006616317
1442.919972	179.390511	4.04859E-06	0.005841797
1442.959972	175.246249	3.95506E-06	0.005706999
1442.999972	193.808379	4.37399E-06	0.00631166
1443.039972	211.532038	4.77398E-06	0.006889049
1443.079972	191.118102	4.31327E-06	0.006224393
1443.119972	182.726461	4.12388E-06	0.005951256
1443.159972	191.040697	4.31152E-06	0.006222217
1443.199972	215.955268	4.87381E-06	0.007033882
1443.239972	252.267409	5.69332E-06	0.008216833
1443.279972	274.780459	6.20141E-06	0.008950374
1443.319972	265.829241	5.9994E-06	0.008659048
1443.359972	232.161794	5.23957E-06	0.007562583
1443.399972	209.409669	4.72608E-06	0.00682163
1443.439972	186.474738	4.20848E-06	0.006074681
1443.479972	191.432915	4.32037E-06	0.006236374
1443.519972	188.335919	4.25048E-06	0.006135652

1443.559972	181.015241	4.08526E-06	0.00589732
1443.599972	181.751273	4.10187E-06	0.005921464
1443.639972	181.376158	4.09341E-06	0.005909406
1443.679972	160.647195	3.62558E-06	0.005234182
1443.719972	140.34926	3.16749E-06	0.004572965
1443.759972	157.558111	3.55587E-06	0.005133819
1443.799972	182.579701	4.12057E-06	0.005949278
1443.839972	189.663104	4.28043E-06	0.006180259
1443.879972	188.912494	4.26349E-06	0.006155971
1443.919972	180.971812	4.08428E-06	0.005897376
1443.959972	194.847307	4.39743E-06	0.006349716
1443.999972	203.866567	4.60098E-06	0.006643821
1444.039972	185.453712	4.18543E-06	0.006043931
1444.079972	172.013084	3.8821E-06	0.005606057
1444.119972	167.933465	3.79002E-06	0.00547325
1444.159972	195.600067	4.41442E-06	0.00637513
1444.199972	206.640685	4.66359E-06	0.00673516
1444.239972	203.332808	4.58894E-06	0.006627528
1444.279972	215.394337	4.86115E-06	0.007020862
1444.319972	217.264355	4.90335E-06	0.007082012
1444.359972	201.75058	4.55323E-06	0.006576503
1444.399972	210.107065	4.74182E-06	0.00684909
1444.439972	215.667007	4.8673E-06	0.007030528
1444.479972	190.796946	4.30602E-06	0.006219962
1444.519972	170.058674	3.83799E-06	0.005544049
1444.559972	187.00983	4.22055E-06	0.00609684
1444.599972	193.472835	4.36641E-06	0.006307719
1444.639972	177.094777	3.99678E-06	0.005773912
1444.679972	162.174767	3.66006E-06	0.005287613
1444.719972	172.565893	3.89457E-06	0.005626566
1444.759972	182.020778	4.10796E-06	0.00593501
1444.799972	193.224123	4.3608E-06	0.006300483
1444.839972	192.709532	4.34919E-06	0.006283877
1444.879972	195.406603	4.41005E-06	0.006372
1444.919972	205.258571	4.6324E-06	0.006693447
1444.959972	219.128938	4.94543E-06	0.007145955
1444.999972	250.957033	5.66375E-06	0.00818412
1445.039972	218.719591	4.9362E-06	0.007133001
1445.079972	185.855869	4.19451E-06	0.0060614
1445.119972	185.248393	4.1808E-06	0.006041755
1445.159972	197.56948	4.45887E-06	0.006443778
1445.199972	225.305769	5.08484E-06	0.007348607
1445.239972	253.724582	5.72621E-06	0.008275748
1445.279972	263.135284	5.9386E-06	0.008582935
1445.319972	257.460364	5.81052E-06	0.008398063
1445.359972	227.197775	5.12754E-06	0.007411137

1445.399972	224.34337	5.06312E-06	0.00731823
1445.439972	219.15963	4.94613E-06	0.007149331
1445.479972	190.338915	4.29568E-06	0.006209325
1445.519972	160.225912	3.61608E-06	0.00522711
1445.559972	146.01409	3.29533E-06	0.004763604
1445.599972	153.63183	3.46726E-06	0.005012266
1445.639972	169.15809	3.81766E-06	0.005518965
1445.679972	161.725586	3.64992E-06	0.005276618
1445.719972	147.0927	3.31968E-06	0.004799324
1445.759972	147.146644	3.32089E-06	0.004801217
1445.799972	167.947228	3.79034E-06	0.005480066
1445.839972	155.323618	3.50544E-06	0.005068302
1445.879972	139.983403	3.15923E-06	0.004567868
1445.919972	154.906234	3.49602E-06	0.005054962
1445.959972	181.80737	4.10314E-06	0.005932975
1445.999972	179.550347	4.0522E-06	0.005859483
1446.039972	165.639616	3.73826E-06	0.005405667
1446.079972	170.960385	3.85834E-06	0.005579465
1446.119972	187.703624	4.23621E-06	0.006126067
1446.159972	198.981234	4.49073E-06	0.006494313
1446.199972	198.506581	4.48002E-06	0.006479001
1446.239972	198.943646	4.48988E-06	0.006493445
1446.279972	211.828037	4.78066E-06	0.006914178
1446.319972	235.49603	5.31482E-06	0.007686927
1446.359972	241.673931	5.45424E-06	0.0078888
1446.399972	227.21579	5.12794E-06	0.007417058
1446.439972	196.104416	4.4258E-06	0.006401659
1446.479972	171.08572	3.86117E-06	0.0055851
1446.519972	170.680917	3.85203E-06	0.005572039
1446.559972	164.36082	3.70939E-06	0.005365862
1446.599972	161.291086	3.64012E-06	0.00526579
1446.639972	166.463281	3.75684E-06	0.005434801
1446.679972	178.119255	4.0199E-06	0.005815514
1446.719972	190.974065	4.31002E-06	0.00623539
1446.759972	193.108743	4.3582E-06	0.006305263
1446.799972	190.258167	4.29386E-06	0.006212359
1446.839972	176.337357	3.97969E-06	0.005757972
1446.879972	193.062283	4.35715E-06	0.006304268
1446.919972	211.760919	4.77915E-06	0.006915046
1446.959972	195.465873	4.41139E-06	0.006383108
1446.999972	179.183474	4.04392E-06	0.005851554
1447.039972	175.807529	3.96773E-06	0.005741465
1447.079972	185.981818	4.19735E-06	0.006073902
1447.119972	189.753064	4.28246E-06	0.006197237
1447.159972	205.054329	4.62779E-06	0.006697153
1447.199972	229.666003	5.18324E-06	0.007501187

1447.239972	219.384823	4.95121E-06	0.007165589
1447.279972	190.514256	4.29964E-06	0.006222785
1447.319972	188.327036	4.25028E-06	0.006151514
1447.359972	199.792316	4.50903E-06	0.006526196
1447.399972	203.589442	4.59473E-06	0.006650412
1447.439972	196.861069	4.44288E-06	0.006430802
1447.479972	184.998494	4.17516E-06	0.006043458
1447.519972	174.862489	3.9464E-06	0.005712497
1447.559972	163.26608	3.68469E-06	0.005333807
1447.599972	152.501809	3.44175E-06	0.004982282
1447.639972	155.853502	3.5174E-06	0.005091924
1447.679972	159.952691	3.60991E-06	0.005225994
1447.719972	167.841776	3.78796E-06	0.005483898
1447.759972	173.57555	3.91736E-06	0.005671395
1447.799972	165.811017	3.74212E-06	0.005417847
1447.839972	178.388176	4.02597E-06	0.005828964
1447.879972	181.550001	4.09733E-06	0.005932443
1447.919972	174.271583	3.93307E-06	0.005694766
1447.959972	179.158137	4.04335E-06	0.005854608
1447.999972	172.619369	3.89578E-06	0.005641087
1448.039972	164.512976	3.71283E-06	0.005376324
1448.079972	159.615901	3.60231E-06	0.005216431
1448.119972	149.096142	3.36489E-06	0.004872768
1448.159972	159.777327	3.60595E-06	0.005221995
1448.199972	187.18424	4.22449E-06	0.006117903
1448.239972	226.817014	5.11894E-06	0.007413459
1448.279972	241.619087	5.45301E-06	0.00789748
1448.319972	247.408087	5.58366E-06	0.00808692
1448.359972	238.660972	5.38625E-06	0.007801223
1448.399972	225.134003	5.08096E-06	0.007359264
1448.439972	195.280289	4.4072E-06	0.006383571
1448.479972	182.706327	4.12343E-06	0.005972702
1448.519972	196.626243	4.43758E-06	0.006427924
1448.559972	175.637075	3.96388E-06	0.005741924
1448.599972	149.966349	3.38453E-06	0.004902832
1448.639972	134.931636	3.04522E-06	0.004411426
1448.679972	118.01205	2.66337E-06	0.003858367
1448.719972	120.641803	2.72272E-06	0.003944455
1448.759972	134.651646	3.0389E-06	0.004402637
1448.799972	140.659237	3.17448E-06	0.004599191
1448.839972	149.715566	3.37887E-06	0.004895445
1448.879972	179.588448	4.05306E-06	0.005872399
1448.919972	194.418409	4.38775E-06	0.006357503
1448.959972	184.919987	4.17339E-06	0.00604707
1448.999972	173.498844	3.91563E-06	0.005673744
1449.039972	177.131132	3.9976E-06	0.005792686

1449.079972	208.699649	4.71006E-06	0.006825254
1449.119972	219.969653	4.96441E-06	0.007194024
1449.159972	233.611382	5.27228E-06	0.007640382
1449.199972	240.881127	5.43635E-06	0.00787836
1449.239972	234.468	5.29162E-06	0.007668822
1449.279972	233.172463	5.26238E-06	0.007626659
1449.319972	233.604571	5.27213E-06	0.007641003
1449.359972	243.447562	5.49427E-06	0.007963178
1449.399972	233.140953	5.26167E-06	0.007626259
1449.439972	226.665716	5.11553E-06	0.007414653
1449.479972	217.411408	4.90667E-06	0.007112124
1449.519972	196.304074	4.43031E-06	0.006421822
1449.559972	153.996824	3.47549E-06	0.005037937
1449.599972	127.456801	2.87652E-06	0.004169807
1449.639972	134.21693	3.02909E-06	0.004391089
1449.679972	161.894418	3.65373E-06	0.005296741
1449.719972	195.474901	4.4116E-06	0.006395579
1449.759972	184.120747	4.15535E-06	0.006024258
1449.799972	170.718005	3.85287E-06	0.005585887
1449.839972	173.909459	3.92489E-06	0.005690469
1449.879972	170.742141	3.85341E-06	0.005586985
1449.919972	153.005233	3.45311E-06	0.00500674
1449.959972	156.080498	3.52252E-06	0.005107512
1449.999972	169.912567	3.83469E-06	0.0055603
1450.039972	191.192309	4.31494E-06	0.006256841
1450.079972	207.16658	4.67546E-06	0.006779793
1450.119972	213.954786	4.82866E-06	0.007002138
1450.159972	203.721187	4.5977E-06	0.006667405
1450.199972	196.250168	4.42909E-06	0.00642307
1450.239972	203.526432	4.59331E-06	0.006661399
1450.279972	215.211994	4.85703E-06	0.00704406
1450.319972	227.548575	5.13545E-06	0.007448052
1450.359972	230.411695	5.20007E-06	0.007541975
1450.399972	219.780955	4.96015E-06	0.007194201
1450.439972	217.751736	4.91435E-06	0.007127975
1450.479972	193.254085	4.36148E-06	0.006326233
1450.519972	164.432651	3.71102E-06	0.005382903
1450.559972	153.670622	3.46813E-06	0.005030733
1450.599972	166.99733	3.7689E-06	0.005467162
1450.639972	170.420336	3.84615E-06	0.005579378
1450.679972	164.183066	3.70538E-06	0.005375325
1450.719972	161.926504	3.65446E-06	0.005301592
1450.759972	188.508921	4.25438E-06	0.00617209
1450.799972	196.186214	4.42765E-06	0.006423634
1450.839972	204.496041	4.61519E-06	0.006695903
1450.879972	202.188115	4.5631E-06	0.006620516

1450.919972	190.197239	4.29249E-06	0.006228055
1450.959972	186.939957	4.21897E-06	0.006121563
1450.999972	196.41441	4.4328E-06	0.006431992
1451.039972	186.961359	4.21946E-06	0.006122601
1451.079972	183.56584	4.14283E-06	0.006011571
1451.119972	204.191159	4.60831E-06	0.006687211
1451.159972	225.039381	5.07883E-06	0.007370188
1451.199972	222.047225	5.0113E-06	0.007272393
1451.239972	200.654056	4.52848E-06	0.006571915
1451.279972	212.519897	4.79628E-06	0.006960742
1451.319972	229.297398	5.17492E-06	0.007510469
1451.359972	241.304704	5.44591E-06	0.007903977
1451.399972	235.685175	5.31909E-06	0.007720121
1451.439972	223.610056	5.04657E-06	0.00732479
1451.479972	219.595995	4.95598E-06	0.0071935
1451.519972	195.96025	4.42255E-06	0.006419419
1451.559972	174.569176	3.93978E-06	0.005718832
1451.599972	186.289805	4.2043E-06	0.006102964
1451.639972	196.221935	4.42846E-06	0.006428523
1451.679972	187.45862	4.23068E-06	0.006141593
1451.719972	175.42284	3.95905E-06	0.005747431
1451.759972	168.590791	3.80486E-06	0.005523742
1451.799972	173.893454	3.92453E-06	0.005697637
1451.839972	175.773232	3.96696E-06	0.005759387
1451.879972	167.925874	3.78985E-06	0.005502412
1451.919972	164.244018	3.70676E-06	0.005381917
1451.959972	174.492738	3.93806E-06	0.005717903
1451.999972	168.02312	3.79205E-06	0.005506053
1452.039972	166.287115	3.75287E-06	0.005449315
1452.079972	191.792732	4.32849E-06	0.006285321
1452.119972	218.193789	4.92433E-06	0.007150718
1452.159972	223.348039	5.04065E-06	0.007319836
1452.199972	213.458131	4.81745E-06	0.006995905
1452.239972	219.226093	4.94763E-06	0.007185143
1452.279972	240.955549	5.43803E-06	0.007897544
1452.319972	241.497459	5.45026E-06	0.007915523
1452.359972	229.418065	5.17765E-06	0.007519806
1452.399972	217.122566	4.90015E-06	0.007116983
1452.439972	211.788732	4.77978E-06	0.006942339
1452.479972	199.784751	4.50886E-06	0.006549034
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1452.559972	167.285963	3.77541E-06	0.005484011
1452.599972	144.618792	3.26384E-06	0.004741061
1452.639972	137.174939	3.09585E-06	0.004497152
1452.679972	151.223478	3.4129E-06	0.004957856
1452.719972	185.861514	4.19464E-06	0.006093631

1452.759972	188.134285	4.24593E-06	0.006168315
1452.799972	179.704471	4.05568E-06	0.005892091
1452.839972	163.659628	3.69357E-06	0.005366166
1452.879972	154.024906	3.47613E-06	0.005050396
1452.919972	161.009477	3.63376E-06	0.005279562
1452.959972	194.656779	4.39313E-06	0.006383045
1452.999972	219.726356	4.95892E-06	0.007205307
1453.039972	209.982546	4.73901E-06	0.006885976
1453.079972	175.660419	3.96441E-06	0.005760606
1453.119972	168.370522	3.79989E-06	0.005521693
1453.159972	212.889969	4.80463E-06	0.006981896
1453.199972	248.105977	5.59941E-06	0.008137057
1453.239972	244.321315	5.51399E-06	0.008013153
1453.279972	246.422083	5.5614E-06	0.008082276
1453.319972	230.235807	5.1961E-06	0.007551598
1453.359972	213.938195	4.82829E-06	0.007017239
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1453.439972	222.252523	5.01593E-06	0.007290353
1453.479972	229.649747	5.18287E-06	0.007533205
1453.519972	213.501591	4.81843E-06	0.007003689
1453.559972	185.042689	4.17616E-06	0.006070293
1453.599972	157.535121	3.55535E-06	0.005168054
1453.639972	160.258131	3.6168E-06	0.005257529
1453.679972	158.797601	3.58384E-06	0.005209757
1453.719972	158.290319	3.57239E-06	0.005193258
1453.759972	162.634636	3.67044E-06	0.005335935
1453.799972	178.976128	4.03924E-06	0.00587225
1453.839972	173.745654	3.9212E-06	0.005700794
1453.879972	174.997887	3.94946E-06	0.005742039
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1453.959972	161.317024	3.6407E-06	0.005293433
1453.999972	169.443137	3.8241E-06	0.005560235
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1454.639972	176.61526	3.98596E-06	0.005798137
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1455.359972	264.485159	5.96906E-06	0.008687133
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1455.879972	151.983789	3.43006E-06	0.004993759
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1455.959972	168.827161	3.81019E-06	0.00554749
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1456.079972	166.9977	3.76891E-06	0.005487828
1456.119972	184.259257	4.15847E-06	0.006055238
1456.159972	204.932633	4.62504E-06	0.006734804
1456.199972	204.850308	4.62319E-06	0.006732283
1456.239972	207.957328	4.69331E-06	0.006834582
1456.279972	207.640853	4.68616E-06	0.006824368
1456.319972	222.319382	5.01744E-06	0.007306996
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1456.399972	233.96239	5.28021E-06	0.007690091

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1456.479972	197.00158	4.44605E-06	0.006475585
1456.519972	186.551544	4.21021E-06	0.006132253
1456.559972	178.434599	4.02702E-06	0.005865597
1456.599972	171.796646	3.87721E-06	0.005647545
1456.639972	163.500539	3.68998E-06	0.005374972
1456.679972	171.738055	3.87589E-06	0.005645929
1456.719972	185.487833	4.1862E-06	0.006098124
1456.759972	195.320783	4.40812E-06	0.00642157
1456.799972	200.64957	4.52838E-06	0.006596946
1456.839972	192.969585	4.35505E-06	0.006344618
1456.879972	183.017445	4.13045E-06	0.006017568
1456.919972	180.12702	4.06522E-06	0.005922694
1456.959972	183.626481	4.14419E-06	0.006037925
1456.999972	188.563506	4.25562E-06	0.006200432
1457.039972	182.968255	4.12934E-06	0.006016611
1457.079972	186.500827	4.20906E-06	0.006132943
1457.119972	178.317107	4.02437E-06	0.005863988
1457.159972	165.452755	3.73404E-06	0.005441091
1457.199972	189.784406	4.28317E-06	0.006241435
1457.239972	215.214003	4.85708E-06	0.007077932
1457.279972	214.98966	4.85202E-06	0.007070747
1457.319972	214.696043	4.84539E-06	0.007061285
1457.359972	213.707027	4.82307E-06	0.007028949
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1457.439972	225.82586	5.09658E-06	0.007427952
1457.479972	212.118238	4.78721E-06	0.006977267
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1457.559972	166.035784	3.7472E-06	0.005461763
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1457.679972	189.844095	4.28452E-06	0.006245454
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1457.759972	185.782177	4.19284E-06	0.006112162
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1457.919972	175.546729	3.96185E-06	0.005776053
1457.959972	198.79098	4.48644E-06	0.006541043
1457.999972	194.944081	4.39962E-06	0.006414641
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1458.079972	152.069305	3.43199E-06	0.005004119
1458.119972	175.373885	3.95794E-06	0.005771158
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1458.199972	225.786101	5.09568E-06	0.007430517
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1458.279972	209.867955	4.73643E-06	0.006907037
1458.319972	241.930856	5.46004E-06	0.007962489
1458.359972	228.416638	5.15505E-06	0.007517912
1458.399972	213.687926	4.82264E-06	0.007033336
1458.439972	213.262084	4.81303E-06	0.007019513
1458.479972	193.18369	4.35989E-06	0.006358808
1458.519972	171.420816	3.86873E-06	0.005642619
1458.559972	157.310283	3.55027E-06	0.005178288
1458.599972	167.095558	3.77111E-06	0.005500547
1458.639972	183.202174	4.13462E-06	0.006030919
1458.679972	179.418645	4.04923E-06	0.005906529
1458.719972	180.88068	4.08223E-06	0.005954823
1458.759972	185.819929	4.1937E-06	0.006117597
1458.799972	205.460548	4.63696E-06	0.006764395
1458.839972	244.015356	5.50709E-06	0.008033958
1458.879972	255.289879	5.76154E-06	0.008405391
1458.919972	246.042322	5.55283E-06	0.008101138
1458.959972	228.669372	5.16075E-06	0.007529327
1458.999972	207.183413	4.67584E-06	0.006822052
1459.039972	192.050847	4.33432E-06	0.006323946
1459.079972	195.276739	4.40712E-06	0.006430346
1459.119972	192.10329	4.3355E-06	0.00632602
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1459.199972	279.789196	6.31445E-06	0.009214049
1459.239972	272.175158	6.14261E-06	0.008963548
1459.279972	254.025414	5.733E-06	0.008366052
1459.319972	257.660711	5.81504E-06	0.008486009
1459.359972	258.137335	5.8258E-06	0.008501939
1459.399972	258.538901	5.83486E-06	0.008515399
1459.439972	253.541271	5.72207E-06	0.008351023
1459.479972	233.910682	5.27904E-06	0.007704651
1459.519972	221.808292	5.0059E-06	0.007306217
1459.559972	209.066718	4.71834E-06	0.006886707
1459.599972	182.229705	4.11267E-06	0.006002854
1459.639972	164.149424	3.70462E-06	0.005407417
1459.679972	148.295886	3.34683E-06	0.004885303
1459.719972	146.493461	3.30615E-06	0.004826058
1459.759972	166.207281	3.75107E-06	0.005475657
1459.799972	181.668782	4.10001E-06	0.005985196
1459.839972	194.853398	4.39757E-06	0.006419748
1459.879972	199.122926	4.49393E-06	0.006560594
1459.919972	202.977285	4.58091E-06	0.006687769
1459.959972	196.270146	4.42954E-06	0.006466957
1459.999972	198.946924	4.48995E-06	0.006555334
1460.039972	196.024266	4.42399E-06	0.006459209
1460.079972	193.112242	4.35827E-06	0.006363429

1460.119972	197.969846	4.4679E-06	0.006523675
1460.159972	221.962648	5.00939E-06	0.007314508
1460.199972	242.169205	5.46542E-06	0.007980609
1460.239972	263.470756	5.94617E-06	0.008682832
1460.279972	280.968391	6.34107E-06	0.009259731
1460.319972	259.317695	5.85244E-06	0.008546434
1460.359972	257.065469	5.80161E-06	0.008472438
1460.399972	270.758711	6.11065E-06	0.008923989
1460.439972	243.298294	5.4909E-06	0.008019135
1460.479972	205.781161	4.64419E-06	0.006782753
1460.519972	187.03547	4.22113E-06	0.006165045
1460.559972	178.590025	4.03053E-06	0.005886828
1460.599972	156.148091	3.52404E-06	0.00514722
1460.639972	142.069647	3.20631E-06	0.00468327
1460.679972	175.652959	3.96424E-06	0.00579049
1460.719972	209.212053	4.72162E-06	0.006896971
1460.759972	234.768486	5.2984E-06	0.007739687
1460.799972	239.875969	5.41367E-06	0.007908284
1460.839972	231.423127	5.2229E-06	0.007629818
1460.879972	220.90126	4.98543E-06	0.00728312
1460.919972	204.570588	4.61687E-06	0.006744882
1460.959972	175.945966	3.97086E-06	0.005801261
1460.999972	176.940836	3.99331E-06	0.005834223
1461.039972	184.294224	4.15926E-06	0.006076851
1461.079972	195.068499	4.40242E-06	0.006432294
1461.119972	212.905353	4.80498E-06	0.007020648
1461.159972	222.851484	5.02945E-06	0.007348827
1461.199972	211.085212	4.7639E-06	0.006961009
1461.239972	210.776276	4.75693E-06	0.006951012
1461.279972	225.3925	5.08679E-06	0.007433231
1461.319972	255.561279	5.76766E-06	0.0084284
1461.359972	272.809978	6.15694E-06	0.008997507
1461.399972	245.98002	5.55143E-06	0.008112854
1461.439972	199.322909	4.49844E-06	0.006574201
1461.479972	159.351751	3.59635E-06	0.005255989
1461.519972	147.670706	3.33272E-06	0.00487084
1461.559972	151.392199	3.41671E-06	0.004993728
1461.599972	162.472133	3.66677E-06	0.005359351
1461.639972	159.974198	3.61039E-06	0.005277097
1461.679972	153.931325	3.47402E-06	0.005077899
1461.719972	146.251739	3.3007E-06	0.004824696
1461.759972	164.645105	3.71581E-06	0.005431623
1461.799972	178.451113	4.02739E-06	0.005887243
1461.839972	165.309985	3.73082E-06	0.005453856
1461.879972	153.479649	3.46382E-06	0.005063692
1461.919972	154.566449	3.48835E-06	0.005099688

1461.959972	146.255555	3.30078E-06	0.004825614
1461.999972	144.693731	3.26554E-06	0.004774213
1462.039972	162.400165	3.66515E-06	0.005358589
1462.079972	177.790071	4.01247E-06	0.005866558
1462.119972	170.203777	3.84126E-06	0.005616386
1462.159972	173.942982	3.92565E-06	0.005739929
1462.199972	174.404368	3.93606E-06	0.005755312
1462.239972	176.209629	3.97681E-06	0.005815045
1462.279972	178.652195	4.03193E-06	0.005895812
1462.319972	202.284481	4.56528E-06	0.006675899
1462.359972	220.165868	4.96884E-06	0.007266228
1462.399972	223.459254	5.04316E-06	0.007375123
1462.439972	226.977333	5.12256E-06	0.00749144
1462.479972	216.029589	4.87549E-06	0.007130302
1462.519972	191.899632	4.33091E-06	0.006334039
1462.559972	178.445559	4.02727E-06	0.005890121
1462.599972	163.101213	3.68097E-06	0.005383783
1462.639972	158.492813	3.57696E-06	0.005231808
1462.679972	163.094988	3.68083E-06	0.005383872
1462.719972	152.654392	3.4452E-06	0.005039358
1462.759972	146.093504	3.29713E-06	0.004822905
1462.799972	170.129576	3.83959E-06	0.005616549
1462.839972	194.426822	4.38794E-06	0.006418858
1462.879972	186.220632	4.20274E-06	0.006148105
1462.919972	173.675813	3.91962E-06	0.005734092
1462.959972	166.663856	3.76137E-06	0.005502735
1462.999972	170.128721	3.83957E-06	0.005617288
1463.039972	190.418077	4.29747E-06	0.006287372
1463.079972	210.091823	4.74148E-06	0.006937164
1463.119972	216.305157	4.88171E-06	0.007142522
1463.159972	206.089567	4.65115E-06	0.006805383
1463.199972	212.195382	4.78895E-06	0.007007198
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1463.319972	254.606114	5.74611E-06	0.008408391
1463.359972	236.455195	5.33646E-06	0.007809168
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1463.479972	207.447076	4.68179E-06	0.006851708
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1463.559972	189.403357	4.27457E-06	0.006256089
1463.599972	172.250442	3.88745E-06	0.005689675
1463.639972	167.730774	3.78545E-06	0.005540536
1463.679972	184.071413	4.15424E-06	0.006080471
1463.719972	193.701581	4.37157E-06	0.006398761
1463.759972	188.507701	4.25436E-06	0.006227356

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1463.839972	166.178994	3.75043E-06	0.005490027
1463.879972	156.323016	3.52799E-06	0.005164558
1463.919972	155.474751	3.50885E-06	0.005136674
1463.959972	159.46275	3.59885E-06	0.005268575
1463.999972	162.090524	3.65816E-06	0.005355542
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1464.199972	211.403427	4.77108E-06	0.006985817
1464.239972	207.862078	4.69116E-06	0.00686898
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1464.359972	219.921885	4.96333E-06	0.007268103
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1464.479972	174.271549	3.93307E-06	0.005759897
1464.519972	156.753027	3.5377E-06	0.005181029
1464.559972	155.707876	3.51411E-06	0.005146625
1464.599972	173.692981	3.92001E-06	0.005741245
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1464.679972	192.686261	4.34866E-06	0.006369396
1464.719972	202.658649	4.57372E-06	0.006699224
1464.759972	201.571382	4.54919E-06	0.006663465
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1464.839972	173.633527	3.91867E-06	0.00574022
1464.879972	182.527124	4.11938E-06	0.006034402
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1464.959972	171.22086	3.86422E-06	0.005660922
1464.999972	191.146663	4.31391E-06	0.006319884
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1465.079972	206.60468	4.66278E-06	0.006831345
1465.119972	188.361374	4.25105E-06	0.006228304
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1465.199972	226.455718	5.11079E-06	0.00748833
1465.239972	233.816665	5.27692E-06	0.007731949
1465.279972	229.736892	5.18484E-06	0.007597245
1465.319972	227.133018	5.12608E-06	0.007511341
1465.359972	224.280261	5.06169E-06	0.007417202
1465.399972	222.234578	5.01552E-06	0.00734975
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1465.479972	199.856255	4.51048E-06	0.006610014
1465.519972	184.167699	4.15641E-06	0.0060913
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1465.759972	169.616294	3.828E-06	0.005610934
1465.799972	178.941511	4.03846E-06	0.005919576
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1465.879972	154.465908	3.48608E-06	0.005110175
1465.919972	143.645127	3.24187E-06	0.004752323
1465.959972	153.248916	3.45861E-06	0.005070191
1465.999972	181.891521	4.10504E-06	0.006017986
1466.039972	191.547995	4.32297E-06	0.006337649
1466.079972	187.69777	4.23608E-06	0.006210428
1466.119972	196.988736	4.44576E-06	0.00651802
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1466.199972	196.549607	4.43585E-06	0.006503844
1466.239972	218.348476	4.92782E-06	0.007225368
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1466.519972	170.365138	3.8449E-06	0.005638628
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1466.639972	185.756103	4.19226E-06	0.006148531
1466.679972	163.832983	3.69748E-06	0.005423023
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1467.239972	255.890449	5.77509E-06	0.008473444
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1467.359972	239.506019	5.40532E-06	0.007931546
1467.399972	216.896773	4.89506E-06	0.007183008
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1467.519972	193.645303	4.3703E-06	0.00641351
1467.559972	163.219837	3.68364E-06	0.005405969
1467.599972	166.065381	3.74786E-06	0.005500366
1467.639972	170.417803	3.84609E-06	0.005644679
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1467.799972	196.422208	4.43298E-06	0.006506722
1467.839972	199.67263	4.50633E-06	0.006614576
1467.879972	188.493526	4.25404E-06	0.006244415
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1467.999972	136.682332	3.08473E-06	0.004528383
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1468.079972	152.002841	3.43049E-06	0.005036237
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1468.199972	205.152662	4.63001E-06	0.00679778
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1468.319972	276.255652	6.23471E-06	0.009154542
1468.359972	281.043537	6.34276E-06	0.009313457
1468.399972	270.118783	6.0962E-06	0.008951667
1468.439972	250.35188	5.65009E-06	0.008296823
1468.479972	225.858454	5.09731E-06	0.007485299
1468.519972	194.924197	4.39917E-06	0.006460266
1468.559972	173.094706	3.90651E-06	0.005736939
1468.599972	165.455044	3.73409E-06	0.005483884
1468.639972	182.100017	4.10974E-06	0.006035734
1468.679972	210.850835	4.75861E-06	0.006988875
1468.719972	220.979487	4.9872E-06	0.007324799
1468.759972	214.383407	4.83833E-06	0.007106353
1468.799972	226.920177	5.12127E-06	0.007522125
1468.839972	243.857973	5.50353E-06	0.008083812
1468.879972	262.973916	5.93495E-06	0.008717737
1468.919972	258.306083	5.82961E-06	0.008563228
1468.959972	244.147306	5.51006E-06	0.008094064
1468.999972	208.215262	4.69913E-06	0.00690302
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1469.079972	184.3772	4.16114E-06	0.006113042
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1469.159972	224.360785	5.06351E-06	0.007439107
1469.199972	220.275228	4.97131E-06	0.007303841
1469.239972	219.738791	4.9592E-06	0.007286253
1469.279972	250.407495	5.65135E-06	0.008303413

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1469.479972	239.325405	5.40124E-06	0.007937016
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1469.559972	165.842372	3.74283E-06	0.005500315
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1469.679972	164.635013	3.71558E-06	0.005460718
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1469.879972	230.769793	5.20815E-06	0.007655359
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1470.159972	166.292153	3.75298E-06	0.005517484
1470.199972	195.152316	4.40432E-06	0.006475225
1470.239972	223.228754	5.03796E-06	0.007407013
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1470.319972	234.011009	5.2813E-06	0.007765205
1470.359972	241.629564	5.45324E-06	0.00801823
1470.399972	251.542968	5.67697E-06	0.008347423
1470.439972	225.966613	5.09975E-06	0.007498879
1470.479972	194.541331	4.39053E-06	0.006456182
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1470.599972	176.591826	3.98543E-06	0.005860976
1470.639972	180.485778	4.07331E-06	0.005990376
1470.679972	188.614634	4.25677E-06	0.006260346
1470.719972	194.432938	4.38808E-06	0.006453638
1470.759972	195.579672	4.41396E-06	0.006491877
1470.799972	210.336331	4.747E-06	0.006981885
1470.839972	234.881515	5.30095E-06	0.007796847
1470.879972	228.837836	5.16455E-06	0.007596435
1470.919972	205.711651	4.64263E-06	0.00682893
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1470.999972	157.181961	3.54738E-06	0.005218193
1471.039972	156.198418	3.52518E-06	0.005185682
1471.079972	165.293319	3.73044E-06	0.005487776
1471.119972	178.668439	4.0323E-06	0.005931994

1471.159972	189.758921	4.28259E-06	0.006300382
1471.199972	220.251121	4.97076E-06	0.007312983
1471.239972	236.062758	5.32761E-06	0.007838189
1471.279972	237.91211	5.36934E-06	0.00789981
1471.319972	240.291916	5.42305E-06	0.007979047
1471.359972	219.440784	4.95247E-06	0.00728687
1471.399972	186.385932	4.20647E-06	0.006189401
1471.439972	171.780737	3.87685E-06	0.005704555
1471.479972	168.703664	3.80741E-06	0.005602523
1471.519972	186.588358	4.21104E-06	0.006196628
1471.559972	190.224575	4.2931E-06	0.00631756
1471.599972	173.92811	3.92532E-06	0.005776494
1471.639972	189.037189	4.26631E-06	0.006278467
1471.679972	189.109068	4.26793E-06	0.006281025
1471.719972	180.118883	4.06503E-06	0.005982589
1471.759972	178.643379	4.03173E-06	0.005933742
1471.799972	172.816674	3.90023E-06	0.005740361
1471.839972	175.43682	3.95936E-06	0.005827551
1471.879972	185.904683	4.19561E-06	0.006175434
1471.919972	189.497883	4.2767E-06	0.006294965
1471.959972	175.257845	3.95533E-06	0.005822081
1471.999972	162.549971	3.66853E-06	0.005400071
1472.039972	160.841918	3.62998E-06	0.005343473
1472.079972	173.933502	3.92544E-06	0.005778557
1472.119972	181.464913	4.09541E-06	0.006028935
1472.159972	196.128235	4.42634E-06	0.006516282
1472.199972	214.4278	4.83934E-06	0.007124471
1472.239972	214.00926	4.82989E-06	0.007110758
1472.279972	202.367	4.56714E-06	0.006724111
1472.319972	191.077675	4.31236E-06	0.006349169
1472.359972	186.961506	4.21946E-06	0.006212565
1472.399972	195.577663	4.41392E-06	0.006499049
1472.439972	210.642363	4.7539E-06	0.006999839
1472.479972	214.190738	4.83399E-06	0.007117948
1472.519972	198.945353	4.48992E-06	0.006611496
1472.559972	181.617021	4.09884E-06	0.006035792
1472.599972	159.962739	3.61014E-06	0.005316286
1472.639972	145.786344	3.29019E-06	0.004845272
1472.679972	152.161203	3.43407E-06	0.005057281
1472.719972	176.217051	3.97697E-06	0.005856968
1472.759972	188.33328	4.25042E-06	0.006259848
1472.799972	192.341194	4.34087E-06	0.006393237
1472.839972	181.860934	4.10435E-06	0.006045048
1472.879972	172.217448	3.88671E-06	0.005724654
1472.919972	177.890626	4.01474E-06	0.005913396
1472.959972	185.056585	4.17647E-06	0.006151772

1472.999972	200.101356	4.51601E-06	0.006652081
1473.039972	222.975472	5.03225E-06	0.007412699
1473.079972	217.399188	4.9064E-06	0.007227515
1473.119972	215.216265	4.85713E-06	0.007155137
1473.159972	219.609917	4.95629E-06	0.007301408
1473.199972	223.161559	5.03645E-06	0.007419691
1473.239972	229.14266	5.17143E-06	0.007618758
1473.279972	238.700281	5.38713E-06	0.007936755
1473.319972	239.857706	5.41325E-06	0.007975456
1473.359972	249.979441	5.64169E-06	0.008312237
1473.399972	262.426559	5.9226E-06	0.008726361
1473.439972	242.111201	5.46411E-06	0.008051042
1473.479972	209.340481	4.72452E-06	0.00696149
1473.519972	192.677561	4.34846E-06	0.006407549
1473.559972	187.714092	4.23645E-06	0.006242657
1473.599972	179.266278	4.04579E-06	0.005961876
1473.639972	173.267477	3.91041E-06	0.00576253
1473.679972	165.116683	3.72645E-06	0.0054916
1473.719972	156.086866	3.52266E-06	0.005191419
1473.759972	168.472995	3.8022E-06	0.005603531
1473.799972	179.914365	4.06042E-06	0.005984242
1473.839972	171.438648	3.86913E-06	0.005702481
1473.879972	160.555628	3.62352E-06	0.005340629
1473.919972	144.704797	3.26579E-06	0.004813507
1473.959972	140.82433	3.17821E-06	0.004684553
1473.999972	147.698412	3.33335E-06	0.004913354
1474.039972	151.426042	3.41747E-06	0.005037495
1474.079972	182.746176	4.12433E-06	0.006079587
1474.119972	189.986829	4.28774E-06	0.00632064
1474.159972	188.106445	4.2453E-06	0.006258252
1474.199972	192.429137	4.34286E-06	0.006402241
1474.239972	212.421353	4.79405E-06	0.007067586
1474.279972	202.550927	4.57129E-06	0.006739365
1474.319972	176.912179	3.99266E-06	0.005886461
1474.359972	167.671392	3.78411E-06	0.00557914
1474.399972	159.411747	3.5977E-06	0.00530445
1474.439972	163.328876	3.68611E-06	0.005434941
1474.479972	172.03721	3.88264E-06	0.005724875
1474.519972	160.82943	3.6297E-06	0.00535206
1474.559972	166.544652	3.75868E-06	0.0055424
1474.599972	181.51823	4.09661E-06	0.006040866
1474.639972	193.904697	4.37616E-06	0.006453259
1474.679972	212.220403	4.78952E-06	0.007063008
1474.719972	204.036408	4.60482E-06	0.006790816
1474.759972	195.314169	4.40797E-06	0.006500696
1474.799972	180.643275	4.07687E-06	0.006012563

1474.839972	156.001305	3.52073E-06	0.005192517
1474.879972	155.86039	3.51755E-06	0.005187967
1474.919972	172.722316	3.8981E-06	0.005749389
1474.959972	195.478166	4.41167E-06	0.006507037
1474.999972	216.81374	4.89318E-06	0.007217446
1475.039972	221.613826	5.00152E-06	0.007377435
1475.079971	224.600539	5.06892E-06	0.007477064
1475.119971	210.330622	4.74687E-06	0.007002202
1475.159971	199.316343	4.49829E-06	0.006635701
1475.199971	207.090594	4.67375E-06	0.00689471
1475.239971	209.228983	4.72201E-06	0.006966093
1475.279971	235.641979	5.31811E-06	0.007845703
1475.319971	279.885362	6.31662E-06	0.00931904
1475.359971	257.635321	5.81447E-06	0.008578437
1475.399971	233.781291	5.27612E-06	0.007784385
1475.439971	205.083879	4.62846E-06	0.006829011
1475.479971	182.025795	4.10807E-06	0.006061373
1475.519971	181.687432	4.10043E-06	0.00605027
1475.559971	175.807734	3.96774E-06	0.005854632
1475.599971	171.501248	3.87054E-06	0.005711375
1475.639971	169.726921	3.8305E-06	0.005652439
1475.679971	182.435841	4.11732E-06	0.006075851
1475.719971	175.986058	3.97176E-06	0.005861206
1475.759971	190.602726	4.30164E-06	0.006348185
1475.799971	226.936508	5.12164E-06	0.007558517
1475.839971	211.83216	4.78076E-06	0.007055632
1475.879971	177.991164	4.01701E-06	0.005928629
1475.919971	161.322723	3.64083E-06	0.005373572
1475.959971	159.128926	3.59132E-06	0.005300642
1475.999971	164.23782	3.70662E-06	0.005470969
1476.039971	173.460269	3.91476E-06	0.005778337
1476.079971	184.899698	4.17293E-06	0.006159576
1476.119971	192.945836	4.35452E-06	0.006427792
1476.159971	198.327473	4.47597E-06	0.006607255
1476.199971	219.066344	4.94402E-06	0.007298366
1476.239971	220.873664	4.98481E-06	0.007358777
1476.279971	216.044438	4.87582E-06	0.007198078
1476.319971	222.76571	5.02751E-06	0.007422216
1476.359971	226.599715	5.11404E-06	0.007550164
1476.399971	231.709265	5.22936E-06	0.00772062
1476.439971	232.980431	5.25804E-06	0.007763186
1476.479971	212.416789	4.79395E-06	0.007078173
1476.519971	192.010141	4.3334E-06	0.006398354
1476.559971	172.481396	3.89266E-06	0.005747753
1476.599971	170.083451	3.83855E-06	0.005667998
1476.639971	185.025684	4.17577E-06	0.006166112

1476.679971	187.660782	4.23524E-06	0.006254098
1476.719971	208.134879	4.69731E-06	0.006936618
1476.759971	245.235382	5.53462E-06	0.008173307
1476.799971	275.465176	6.21687E-06	0.009181067
1476.839971	280.86657	6.33877E-06	0.009361345
1476.879971	265.608653	5.99442E-06	0.008853035
1476.919971	287.879596	6.49704E-06	0.00959561
1476.959971	334.229322	7.54309E-06	0.011140842
1476.999971	373.729016	8.43454E-06	0.01245782
1477.039971	399.944308	9.02619E-06	0.013332037
1477.079971	428.75116	9.67632E-06	0.014292693
1477.119971	467.797978	1.05575E-05	0.015594766
1477.159971	548.397446	1.23766E-05	0.018282169
1477.199971	625.024174	1.41059E-05	0.020837272
1477.239971	704.125702	1.58911E-05	0.023475022
1477.279971	795.117284	1.79447E-05	0.026509331
1477.319971	892.726146	2.01476E-05	0.029764431
1477.359971	924.017717	2.08538E-05	0.030808559
1477.399971	889.259045	2.00693E-05	0.029650439
1477.439971	828.521494	1.86986E-05	0.027626024
1477.479971	701.804375	1.58387E-05	0.023401432
1477.519971	513.177227	1.15817E-05	0.017112186
1477.559971	371.402235	8.38203E-06	0.012384954
1477.599971	290.460879	6.5553E-06	0.009686107
1477.639971	234.832379	5.29984E-06	0.007831255
1477.679971	202.231169	4.56408E-06	0.006744243
1477.719971	207.847497	4.69083E-06	0.006931731
1477.759971	226.11756	5.10316E-06	0.007541243
1477.799971	212.968355	4.8064E-06	0.007102896
1477.839971	212.667695	4.79961E-06	0.007093061
1477.879971	216.781223	4.89245E-06	0.007230454
1477.919971	242.602498	5.4752E-06	0.008091908
1477.959971	255.736132	5.77161E-06	0.008530206
1477.999971	264.759889	5.97526E-06	0.008831437
1478.039971	280.41852	6.32866E-06	0.009354006
1478.079971	293.14534	6.61588E-06	0.009778803
1478.119971	312.356771	7.04946E-06	0.010419944
1478.159971	362.162567	8.1735E-06	0.012081747
1478.199971	416.571713	9.40144E-06	0.013897213
1478.239971	508.72107	1.14811E-05	0.016971859
1478.279971	556.82744	1.25668E-05	0.018577278
1478.319971	589.271212	1.3299E-05	0.019660222
1478.359971	637.556431	1.43888E-05	0.021271768
1478.399971	632.562704	1.42761E-05	0.021105725
1478.439971	547.636918	1.23594E-05	0.018272635
1478.479971	458.326746	1.03438E-05	0.015293096

1478.519971	359.11922	8.10482E-06	0.011983139
1478.559971	292.851487	6.60925E-06	0.009772173
1478.599971	244.581662	5.51987E-06	0.008161676
1478.639971	203.789509	4.59925E-06	0.006800628
1478.679971	195.025243	4.40145E-06	0.006508333
1478.719971	179.234928	4.04508E-06	0.005981545
1478.759971	161.353922	3.64153E-06	0.005384954
1478.799971	169.070552	3.81569E-06	0.005642638
1478.839971	173.508123	3.91584E-06	0.005790896
1478.879971	177.063631	3.99608E-06	0.005909722
1478.919971	173.981388	3.92652E-06	0.005807005
1478.959971	187.325543	4.22768E-06	0.006252564
1478.999971	228.307406	5.15258E-06	0.007620666
1479.039971	236.857255	5.34554E-06	0.007906265
1479.079971	231.911042	5.23391E-06	0.00774137
1479.119971	248.791872	5.61489E-06	0.00830509
1479.159971	277.523608	6.26332E-06	0.009264454
1479.199971	313.630376	7.0782E-06	0.010470074
1479.239971	338.441797	7.63816E-06	0.011298671
1479.279971	340.042199	7.67428E-06	0.011352407
1479.319971	336.720091	7.5993E-06	0.011241801
1479.359971	353.793311	7.98462E-06	0.011812131
1479.399971	367.817897	8.30114E-06	0.012280703
1479.439971	355.512908	8.02343E-06	0.011870185
1479.479971	308.994284	6.97357E-06	0.010317258
1479.519971	235.283598	5.31002E-06	0.007856285
1479.559971	185.74868	4.19209E-06	0.006202447
1479.599971	167.356752	3.77701E-06	0.005588462
1479.639971	158.714369	3.58196E-06	0.005300015
1479.679971	170.718727	3.85288E-06	0.005701035
1479.719971	174.083163	3.92881E-06	0.005813545
1479.759971	171.899549	3.87953E-06	0.005740778
1479.799971	180.50011	4.07364E-06	0.006028167
1479.839971	192.452443	4.34338E-06	0.006427513
1479.879971	194.954855	4.39986E-06	0.006511264
1479.919971	188.122551	4.24566E-06	0.006283243
1479.959971	167.264016	3.77492E-06	0.005586724
1479.999971	166.68455	3.76184E-06	0.00556752
1480.039971	180.334517	4.0699E-06	0.006023613
1480.079971	201.360399	4.54442E-06	0.006726111
1480.119971	219.24381	4.94803E-06	0.007323674
1480.159971	224.024974	5.05593E-06	0.007483588
1480.199971	250.115884	5.64477E-06	0.008355384
1480.239971	271.770133	6.13347E-06	0.009079012
1480.279971	268.15273	6.05183E-06	0.008958408
1480.319971	261.448519	5.90053E-06	0.008734671

1480.359971	260.449739	5.87799E-06	0.008701538
1480.399971	255.765248	5.77227E-06	0.008545262
1480.439971	255.924036	5.77585E-06	0.008550798
1480.479971	225.348218	5.0858E-06	0.007529418
1480.519971	186.044081	4.19876E-06	0.006216342
1480.559971	173.172818	3.90827E-06	0.005786427
1480.599971	177.103127	3.99697E-06	0.005917915
1480.639971	171.042844	3.8602E-06	0.005715565
1480.679971	161.736342	3.65016E-06	0.005404725
1480.719971	165.837516	3.74272E-06	0.005541923
1480.759971	173.612062	3.91818E-06	0.005801888
1480.799971	174.645689	3.94151E-06	0.005836588
1480.839971	189.686328	4.28096E-06	0.006339411
1480.879971	198.585513	4.4818E-06	0.006637006
1480.919971	188.127949	4.24579E-06	0.006287669
1480.959971	183.214768	4.1349E-06	0.006123625
1480.999971	166.293987	3.75302E-06	0.005558228
1481.039971	156.510898	3.53223E-06	0.005231378
1481.079971	168.494507	3.80269E-06	0.005632083
1481.119971	210.609367	4.75316E-06	0.00704
1481.159971	236.31088	5.33321E-06	0.007899333
1481.199971	233.75771	5.27559E-06	0.007814198
1481.239971	253.066649	5.71136E-06	0.008459897
1481.279971	272.98171	6.16082E-06	0.009125895
1481.319971	255.796393	5.77297E-06	0.008551613
1481.359971	217.929315	4.91836E-06	0.007285863
1481.399971	219.160178	4.94614E-06	0.007327212
1481.439971	187.442612	4.23032E-06	0.006266963
1481.479971	155.84045	3.5171E-06	0.005210516
1481.519971	148.072201	3.34178E-06	0.004950919
1481.559971	158.768865	3.58319E-06	0.005308714
1481.599971	160.906861	3.63144E-06	0.005380347
1481.639971	153.648687	3.46764E-06	0.005137789
1481.679971	171.678234	3.87454E-06	0.005740826
1481.719971	192.629823	4.34739E-06	0.00644161
1481.759971	177.107113	3.99706E-06	0.005922685
1481.799971	158.470758	3.57646E-06	0.005299605
1481.839971	157.91054	3.56382E-06	0.005281012
1481.879971	169.061194	3.81548E-06	0.005654077
1481.919971	171.217515	3.86414E-06	0.005726347
1481.959971	173.045126	3.90539E-06	0.005787628
1481.999971	192.192717	4.33752E-06	0.006428207
1482.039971	195.921308	4.42167E-06	0.006553093
1482.079971	168.067146	3.79304E-06	0.005621591
1482.119971	167.761686	3.78615E-06	0.005611525
1482.159971	179.448561	4.0499E-06	0.006002606

1482.199971	195.790074	4.41871E-06	0.006549411
1482.239971	197.036975	4.44685E-06	0.006591299
1482.279971	190.839141	4.30697E-06	0.006384141
1482.319971	203.62026	4.59543E-06	0.006811891
1482.359971	195.4005	4.40992E-06	0.006537085
1482.399971	181.595912	4.09837E-06	0.006075419
1482.439971	182.801731	4.12558E-06	0.006115925
1482.479971	180.116515	4.06498E-06	0.00602625
1482.519971	172.217037	3.8867E-06	0.005762108
1482.559971	183.792965	4.14795E-06	0.006149586
1482.599971	186.246543	4.20333E-06	0.00623185
1482.639971	179.486519	4.05076E-06	0.00600582
1482.679971	166.786677	3.76414E-06	0.005581019
1482.719971	157.191027	3.54758E-06	0.005260071
1482.759971	181.081078	4.08675E-06	0.006059666
1482.799971	189.012354	4.26575E-06	0.006325247
1482.839971	204.392853	4.61286E-06	0.006840136
1482.879971	222.925217	5.03111E-06	0.007460535
1482.919971	203.482975	4.59233E-06	0.006810054
1482.959971	193.401081	4.36479E-06	0.006472813
1482.999971	200.055447	4.51497E-06	0.006695705
1483.039971	192.741456	4.34991E-06	0.006451085
1483.079971	178.194184	4.02159E-06	0.005964346
1483.119971	179.062414	4.04119E-06	0.005993569
1483.159971	193.588445	4.36902E-06	0.006479958
1483.199971	190.861065	4.30747E-06	0.006388837
1483.239971	198.876454	4.48836E-06	0.006657322
1483.279971	218.234218	4.92524E-06	0.007305513
1483.319971	217.557428	4.90997E-06	0.007283054
1483.359971	211.81027	4.78026E-06	0.00709085
1483.399971	203.227925	4.58657E-06	0.00680372
1483.439971	173.340605	3.91206E-06	0.0058033
1483.479971	165.342322	3.73155E-06	0.005535674
1483.519971	162.285621	3.66256E-06	0.005433482
1483.559971	145.558471	3.28505E-06	0.004873572
1483.599971	123.128145	2.77883E-06	0.004122673
1483.639971	125.436427	2.83093E-06	0.004200074
1483.679971	144.315563	3.257E-06	0.004832348
1483.719971	164.272629	3.7074E-06	0.00550075
1483.759971	185.196463	4.17963E-06	0.006201562
1483.799971	196.564091	4.43618E-06	0.0065824
1483.839971	195.35719	4.40894E-06	0.006542161
1483.879971	188.969131	4.26477E-06	0.006328407
1483.919971	171.226566	3.86435E-06	0.005734379
1483.959971	163.03708	3.67952E-06	0.00546026
1483.999971	153.493005	3.46412E-06	0.005140759

1484.039971	150.220027	3.39026E-06	0.005031277
1484.079971	155.36641	3.5064E-06	0.005203783
1484.119971	167.846224	3.78806E-06	0.005621929
1484.159971	192.093223	4.33528E-06	0.006434244
1484.199971	199.849091	4.51032E-06	0.00669421
1484.239971	177.495502	4.00583E-06	0.005945607
1484.279971	166.597424	3.75987E-06	0.005580702
1484.319971	203.708858	4.59743E-06	0.00682405
1484.359971	230.376559	5.19928E-06	0.0077176
1484.399971	215.572974	4.86518E-06	0.007221876
1484.439971	197.661793	4.46095E-06	0.006622014
1484.479971	188.142973	4.24612E-06	0.006303287
1484.519971	169.23822	3.81947E-06	0.005670081
1484.559971	157.99832	3.5658E-06	0.005293647
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1484.639971	180.068087	4.06389E-06	0.006033407
1484.679971	174.767337	3.94426E-06	0.005855957
1484.719971	182.013442	4.10779E-06	0.006098918
1484.759971	197.689236	4.46157E-06	0.006624362
1484.799971	201.407377	4.54548E-06	0.006749134
1484.839971	178.829903	4.03594E-06	0.005992728
1484.879971	152.328779	3.43785E-06	0.005104792
1484.919971	139.029856	3.13771E-06	0.004659249
1484.959971	152.915391	3.45109E-06	0.005124727
1484.999971	175.207969	3.9542E-06	0.005871987
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1485.079971	197.790024	4.46385E-06	0.006629167
1485.119971	231.104423	5.2157E-06	0.007745948
1485.159971	250.599538	5.65568E-06	0.008399593
1485.199971	219.053259	4.94373E-06	0.007342423
1485.239971	212.67214	4.79971E-06	0.007128727
1485.279971	229.066585	5.16971E-06	0.007678472
1485.319971	244.03171	5.50746E-06	0.008180334
1485.359971	207.028748	4.67235E-06	0.006940122
1485.399971	164.79873	3.71928E-06	0.005524615
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1485.479971	184.944959	4.17395E-06	0.006200319
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1485.559971	178.812969	4.03556E-06	0.005995066
1485.599971	158.938488	3.58702E-06	0.005328877
1485.639971	149.952422	3.38422E-06	0.005027728
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1485.719971	169.653962	3.82885E-06	0.005688604
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1485.879971	185.373858	4.18363E-06	0.006216372
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1485.999971	164.905243	3.72168E-06	0.005530419
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1486.079971	184.652757	4.16736E-06	0.006193024
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1486.239971	180.125183	4.06517E-06	0.006041825
1486.279971	195.833921	4.4197E-06	0.00656891
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1486.439971	192.204944	4.3378E-06	0.006447876
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1486.839971	186.612675	4.21159E-06	0.006261958
1486.879971	199.409929	4.5004E-06	0.006691561
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1487.119971	160.34196	3.61869E-06	0.005381433
1487.159971	164.222517	3.70627E-06	0.005511822
1487.199971	195.527529	4.41278E-06	0.006562692
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1487.279971	283.62694	6.40106E-06	0.009520176
1487.319971	280.220778	6.32419E-06	0.009406098
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1487.599971	159.556036	3.60096E-06	0.005356784
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1488.359971	215.356834	4.8603E-06	0.007233882
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1488.479971	190.331218	4.29551E-06	0.006393781
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1488.879971	179.420513	4.04927E-06	0.006028879
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1489.079971	204.259038	4.60984E-06	0.006864423
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1489.199971	240.158105	5.42003E-06	0.008071514
1489.239971	223.06939	5.03437E-06	0.007497378
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1489.319971	224.172023	5.05925E-06	0.007534843
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1489.439971	197.700243	4.46182E-06	0.006645612
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1489.759971	159.182786	3.59253E-06	0.005352013
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1489.879971	211.54573	4.77429E-06	0.007113123
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1490.639971	139.100716	3.13931E-06	0.00467958
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1490.919971	182.35788	4.11556E-06	0.006135976
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1491.199971	182.955839	4.12906E-06	0.006157252
1491.239971	206.816714	4.66757E-06	0.00696046
1491.279971	214.321721	4.83694E-06	0.007213236
1491.319971	228.648833	5.16029E-06	0.007695637
1491.359971	225.899692	5.09824E-06	0.007603313

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1491.599971	166.645744	3.76096E-06	0.005609851
1491.639971	159.244563	3.59393E-06	0.005360847
1491.679971	148.699021	3.35593E-06	0.005005973
1491.719971	149.651821	3.37743E-06	0.005038184
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1491.799971	175.264968	3.95549E-06	0.005900794
1491.839971	167.371036	3.77733E-06	0.005635174
1491.879971	152.966059	3.45223E-06	0.005150314
1491.919971	160.678665	3.62629E-06	0.00541014
1491.959971	167.515708	3.7806E-06	0.005640498
1491.999971	166.753777	3.7634E-06	0.005614993
1492.039971	174.16585	3.93068E-06	0.005864733
1492.079971	195.887563	4.42091E-06	0.00659635
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1492.159971	187.78307	4.238E-06	0.006323777
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1492.359971	217.416137	4.90678E-06	0.007322681
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1492.599971	153.532228	3.46501E-06	0.005171872
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1492.679971	170.202212	3.84123E-06	0.005733722
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1492.759971	154.525731	3.48743E-06	0.005205897
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1492.879971	181.131444	4.08788E-06	0.006102721
1492.919971	166.59195	3.75975E-06	0.005613003
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1493.119971	210.685503	4.75488E-06	0.007099604
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1493.199971	175.305676	3.9564E-06	0.005907704

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1493.319971	197.607996	4.45974E-06	0.006659815
1493.359971	190.034717	4.28882E-06	0.00640475
1493.399971	206.272771	4.65529E-06	0.006952209
1493.439971	213.92644	4.82802E-06	0.007210361
1493.479971	204.923525	4.62484E-06	0.006907104
1493.519971	187.782211	4.23798E-06	0.006329512
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1493.599971	158.673405	3.58104E-06	0.005348638
1493.639971	142.670405	3.21987E-06	0.00480933
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1493.799971	182.772988	4.12493E-06	0.006161823
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1493.919971	159.871927	3.60809E-06	0.005390193
1493.959971	161.35572	3.64157E-06	0.005440366
1493.999971	176.336587	3.97967E-06	0.005945629
1494.039971	185.894854	4.19539E-06	0.006268077
1494.079971	186.09999	4.20002E-06	0.006275162
1494.119971	180.27055	4.06846E-06	0.00607876
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1494.199971	207.447749	4.68181E-06	0.006995556
1494.239971	218.665901	4.93498E-06	0.007374052
1494.279971	225.987801	5.10023E-06	0.007621171
1494.319971	223.5004	5.04409E-06	0.007537488
1494.359971	230.276033	5.19701E-06	0.007766203
1494.399971	241.037257	5.43988E-06	0.008129349
1494.439971	237.345984	5.35657E-06	0.00800507
1494.479971	212.379194	4.7931E-06	0.007163196
1494.519971	191.902491	4.33097E-06	0.006472724
1494.559971	173.406159	3.91354E-06	0.005849013
1494.599971	172.971338	3.90372E-06	0.005834503
1494.639971	172.4426	3.89179E-06	0.005816824
1494.679971	178.84278	4.03623E-06	0.006032876
1494.719971	193.278758	4.36203E-06	0.006520017
1494.759971	205.170832	4.63042E-06	0.006921366
1494.799971	204.719906	4.62024E-06	0.006906339
1494.839971	201.254298	4.54203E-06	0.006789607
1494.879971	199.206831	4.49582E-06	0.006720712
1494.919971	194.719789	4.39455E-06	0.006569507
1494.959971	185.791475	4.19305E-06	0.006268449
1494.999971	183.250237	4.1357E-06	0.006182875
1495.039971	186.816742	4.21619E-06	0.006303378

1495.079971	205.849243	4.64573E-06	0.006945739
1495.119971	209.737501	4.73348E-06	0.007077125
1495.159971	215.89342	4.87241E-06	0.007285038
1495.199971	208.167641	4.69805E-06	0.00702453
1495.239971	211.344225	4.76974E-06	0.007131913
1495.279971	219.644951	4.95708E-06	0.007412223
1495.319971	232.945026	5.25724E-06	0.007861263
1495.359971	232.983886	5.25812E-06	0.007862785
1495.399971	229.915395	5.18887E-06	0.007759436
1495.439971	215.359314	4.86036E-06	0.007268376
1495.479971	193.525399	4.3676E-06	0.006531656
1495.519971	165.319878	3.73104E-06	0.005579844
1495.559971	155.583776	3.51131E-06	0.005251373
1495.599971	156.560909	3.53336E-06	0.005284496
1495.639971	173.192872	3.90872E-06	0.005846041
1495.679971	185.695726	4.19089E-06	0.006268236
1495.719971	176.136358	3.97515E-06	0.005945715
1495.759971	175.387593	3.95825E-06	0.005920597
1495.799971	186.375158	4.20623E-06	0.006291675
1495.839971	186.426897	4.2074E-06	0.00629359
1495.879971	183.762474	4.14726E-06	0.006203808
1495.919971	179.83894	4.05871E-06	0.006071512
1495.959971	173.575333	3.91735E-06	0.005860204
1495.999971	176.937985	3.99324E-06	0.005973893
1496.039971	165.922756	3.74465E-06	0.005602139
1496.079971	179.162137	4.04344E-06	0.006049309
1496.119971	200.044572	4.51473E-06	0.006754574
1496.159971	205.43476	4.63638E-06	0.006936761
1496.199971	182.725958	4.12387E-06	0.006170135
1496.239971	196.013706	4.42376E-06	0.006619001
1496.279971	206.10454	4.65149E-06	0.006959935
1496.319971	191.727762	4.32703E-06	0.006474619
1496.359971	205.528843	4.6385E-06	0.006940865
1496.399971	211.972044	4.78391E-06	0.007158648
1496.439971	203.599289	4.59495E-06	0.00687607
1496.479971	182.938885	4.12868E-06	0.006178481
1496.519971	166.549107	3.75878E-06	0.005625091
1496.559971	151.462534	3.4183E-06	0.005115689
1496.599971	150.035735	3.3861E-06	0.005067634
1496.639971	146.573923	3.30797E-06	0.004950839
1496.679971	143.166064	3.23106E-06	0.004835861
1496.719971	161.379582	3.64211E-06	0.005451222
1496.759971	197.969317	4.46789E-06	0.006687362
1496.799971	230.74648	5.20763E-06	0.007794775
1496.839971	248.011434	5.59727E-06	0.008378221
1496.879971	242.564618	5.47435E-06	0.008194438

1496.919971	210.939928	4.76062E-06	0.007126268
1496.959971	185.403527	4.1843E-06	0.006263729
1496.999971	178.345111	4.025E-06	0.006025426
1497.039971	178.546494	4.02955E-06	0.006032391
1497.079971	189.575403	4.27845E-06	0.006405186
1497.119971	199.109894	4.49363E-06	0.006727508
1497.159971	209.033962	4.71761E-06	0.00706301
1497.199971	214.076909	4.83142E-06	0.007233598
1497.239971	211.303146	4.76882E-06	0.007140064
1497.279971	197.799394	4.46406E-06	0.006683943
1497.319971	180.523759	4.07417E-06	0.006100336
1497.359971	180.958002	4.08397E-06	0.006115173
1497.399971	184.919964	4.17339E-06	0.006249228
1497.439971	201.802484	4.5544E-06	0.006819942
1497.479971	215.014523	4.85258E-06	0.007266639
1497.519971	189.510854	4.277E-06	0.006404887
1497.559971	151.965216	3.42964E-06	0.005136096
1497.599971	133.760597	3.01879E-06	0.00452094
1497.639971	138.002756	3.11453E-06	0.004664445
1497.679971	153.313033	3.46006E-06	0.005182065
1497.719971	155.996818	3.52063E-06	0.005272919
1497.759971	153.734557	3.46957E-06	0.00519659
1497.799971	148.218146	3.34508E-06	0.005010256
1497.839971	154.414809	3.48493E-06	0.005219863
1497.879971	184.806328	4.17082E-06	0.00624739
1497.919971	202.928161	4.57981E-06	0.006860183
1497.959971	192.099204	4.33541E-06	0.006494273
1497.999971	177.67866	4.00996E-06	0.00600692
1498.039971	170.756892	3.85375E-06	0.005773064
1498.079971	159.955606	3.60998E-06	0.005408032
1498.119971	161.135507	3.6366E-06	0.005448069
1498.159971	185.700235	4.191E-06	0.006278782
1498.199971	223.953713	5.05432E-06	0.007572387
1498.239971	227.711288	5.13913E-06	0.007699645
1498.279971	199.570032	4.50402E-06	0.006748279
1498.319971	181.606065	4.0986E-06	0.006141008
1498.359971	208.231364	4.69949E-06	0.00704153
1498.399971	218.745779	4.93679E-06	0.007397282
1498.439971	192.890116	4.35326E-06	0.006523101
1498.479971	181.348331	4.09278E-06	0.006132948
1498.519971	181.810191	4.1032E-06	0.006148731
1498.559971	189.548394	4.27784E-06	0.006410605
1498.599971	184.346392	4.16044E-06	0.006234837
1498.639971	183.472337	4.14072E-06	0.006205441
1498.679971	170.630603	3.8509E-06	0.005771259
1498.719971	148.227567	3.34529E-06	0.005013653

1498.759971	147.215016	3.32244E-06	0.004979537
1498.799971	158.060288	3.5672E-06	0.00534652
1498.839971	171.611866	3.87304E-06	0.005805068
1498.879971	184.200847	4.15716E-06	0.006231079
1498.919971	183.639787	4.14449E-06	0.006212265
1498.959971	170.592471	3.85003E-06	0.005771048
1498.999971	161.04319	3.63452E-06	0.005448146
1499.039971	183.423476	4.13961E-06	0.006205444
1499.079971	196.363752	4.43166E-06	0.006643407
1499.119971	193.684826	4.3712E-06	0.006552948
1499.159971	183.961773	4.15176E-06	0.006224154
1499.199971	195.416276	4.41027E-06	0.006611881
1499.239971	210.382216	4.74803E-06	0.007118442
1499.279971	214.278867	4.83598E-06	0.007250481
1499.319971	240.578912	5.42953E-06	0.008140604
1499.359971	269.071804	6.07258E-06	0.009104977
1499.399971	256.559619	5.79019E-06	0.008681816
1499.439971	218.282087	4.92632E-06	0.007386725
1499.479971	197.27407	4.4522E-06	0.006675986
1499.519971	182.058381	4.1088E-06	0.006161234
1499.559971	181.967135	4.10674E-06	0.00615831
1499.599971	177.449063	4.00478E-06	0.006005565
1499.639971	177.846667	4.01375E-06	0.006019182
1499.679971	162.822204	3.67467E-06	0.00551083
1499.719971	157.403059	3.55237E-06	0.005327557
1499.759971	183.642405	4.14455E-06	0.006215835
1499.799971	210.482345	4.75029E-06	0.00712449
1499.839971	199.163762	4.49485E-06	0.006741554
1499.879971	172.669517	3.89691E-06	0.005844898
1499.919971	165.514404	3.73543E-06	0.005602845
1499.959971	164.374448	3.7097E-06	0.005564405
1499.999971	167.88689	3.78897E-06	0.00568346
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1500.079971	160.234815	3.61628E-06	0.005424704
1500.119971	167.71318	3.78505E-06	0.005678033
1500.159971	185.230415	4.18039E-06	0.006271257
1500.199971	202.122097	4.56161E-06	0.006843333
1500.239971	206.690201	4.66471E-06	0.006998184
1500.279971	218.631708	4.93421E-06	0.007402701
1500.319971	225.541617	5.09016E-06	0.007636869
1500.359971	225.081412	5.07977E-06	0.00762149
1500.399971	221.849117	5.00683E-06	0.007512241
1500.439971	206.837377	4.66803E-06	0.007004101
1500.479971	197.256676	4.45181E-06	0.006679849
1500.519971	182.976425	4.12952E-06	0.006196432
1500.559971	175.734078	3.96607E-06	0.005951331

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1500.679971	165.470733	3.73444E-06	0.005604205
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1500.879971	169.108853	3.81655E-06	0.005728185
1500.919971	168.449913	3.80168E-06	0.005706017
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1500.999971	174.541743	3.93916E-06	0.005912685
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1501.159971	208.94049	4.7155E-06	0.007078714
1501.199971	214.525276	4.84154E-06	0.007268115
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1501.279971	248.345857	5.60482E-06	0.008414404
1501.319971	237.911432	5.36933E-06	0.008061082
1501.359971	208.114058	4.69684E-06	0.007051654
1501.399971	186.854694	4.21705E-06	0.006331479
1501.439971	175.645846	3.96408E-06	0.005951831
1501.479971	181.895042	4.10512E-06	0.006163752
1501.519971	176.204245	3.97668E-06	0.005971071
1501.559971	155.314145	3.50522E-06	0.005263304
1501.599971	139.211025	3.1418E-06	0.004717725
1501.639971	141.508827	3.19366E-06	0.004795723
1501.679971	150.180678	3.38937E-06	0.005089747
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1501.759971	146.379917	3.30359E-06	0.0049612
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1501.839971	146.725259	3.31138E-06	0.00497317
1501.879971	159.18103	3.59249E-06	0.005395495
1501.919971	174.95469	3.94848E-06	0.005930306
1501.959971	170.065064	3.83813E-06	0.00576472
1501.999971	180.717646	4.07855E-06	0.006125975
1502.039971	175.806416	3.96771E-06	0.005959653
1502.079971	167.290943	3.77552E-06	0.005671138
1502.119971	190.085265	4.28996E-06	0.006444034
1502.159971	191.459188	4.32097E-06	0.006490784
1502.199971	188.925279	4.26378E-06	0.006405051
1502.239971	199.923356	4.51199E-06	0.006778094
1502.279971	217.540068	4.90958E-06	0.007375558
1502.319971	238.321105	5.37858E-06	0.008080341
1502.359971	231.808337	5.23159E-06	0.007859733
1502.399971	216.895695	4.89503E-06	0.007354299

1502.439971	192.431111	4.3429E-06	0.00652495
1502.479971	174.053172	3.92814E-06	0.005901948
1502.519971	164.393923	3.71014E-06	0.005574562
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1502.639971	135.059112	3.0481E-06	0.004580191
1502.679971	139.774895	3.15452E-06	0.004740241
1502.719971	150.741706	3.40203E-06	0.005112299
1502.759971	166.683033	3.7618E-06	0.005653088
1502.799971	179.62636	4.05392E-06	0.006092226
1502.839971	187.646143	4.23491E-06	0.006364395
1502.879971	187.546444	4.23266E-06	0.006361183
1502.919971	185.860068	4.1946E-06	0.006304152
1502.959971	181.33506	4.09248E-06	0.006150833
1502.999971	169.565394	3.82685E-06	0.005751763
1503.039971	161.785405	3.65127E-06	0.005488007
1503.079971	162.018751	3.65654E-06	0.005496068
1503.119971	191.431789	4.32035E-06	0.006494003
1503.159971	196.610822	4.43723E-06	0.00666987
1503.199971	184.485047	4.16357E-06	0.006258679
1503.239971	223.821897	5.05135E-06	0.007593389
1503.279971	254.838551	5.75135E-06	0.008645891
1503.319971	246.324215	5.55919E-06	0.008357248
1503.359971	213.382872	4.81575E-06	0.007239812
1503.399971	202.179597	4.56291E-06	0.006859882
1503.439971	195.112677	4.40342E-06	0.00662028
1503.479971	179.921581	4.06058E-06	0.006105
1503.519971	167.423792	3.77852E-06	0.005681083
1503.559971	162.215652	3.66098E-06	0.005504505
1503.599971	156.947125	3.54208E-06	0.005325868
1503.639971	142.55119	3.21718E-06	0.004837483
1503.679971	139.143865	3.14028E-06	0.004721981
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1503.759971	130.535601	2.94601E-06	0.004430087
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1503.839971	180.795914	4.08031E-06	0.006136136
1503.879971	167.226242	3.77406E-06	0.005675738
1503.919971	152.366596	3.4387E-06	0.005171532
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1504.079971	168.871652	3.8112E-06	0.005732347
1504.119971	175.946035	3.97086E-06	0.005972645
1504.159971	161.449521	3.64369E-06	0.005480694
1504.199971	167.072965	3.7706E-06	0.005671743
1504.239971	193.129997	4.35868E-06	0.006556493

1504.279971	213.653074	4.82185E-06	0.007253416
1504.319971	225.627521	5.0921E-06	0.007660146
1504.359971	222.436835	5.02009E-06	0.007552022
1504.399971	216.49183	4.88592E-06	0.007350376
1504.439971	206.022329	4.64964E-06	0.0069951
1504.479971	188.721564	4.25918E-06	0.006407855
1504.519971	152.341232	3.43813E-06	0.005172734
1504.559971	141.788831	3.19998E-06	0.004814556
1504.599971	160.448009	3.62109E-06	0.005448289
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1504.679971	164.117769	3.70391E-06	0.005573198
1504.719971	158.770509	3.58323E-06	0.005391757
1504.759971	159.116875	3.59105E-06	0.005403663
1504.799971	181.001455	4.08495E-06	0.006147034
1504.839971	190.981207	4.31018E-06	0.006486131
1504.879971	178.346105	4.02502E-06	0.006057177
1504.919971	149.255746	3.36849E-06	0.005069314
1504.959971	126.411942	2.85294E-06	0.004293563
1504.999971	125.651072	2.83577E-06	0.004267833
1505.039971	141.485971	3.19314E-06	0.004805805
1505.079971	164.982901	3.72343E-06	0.005604066
1505.119971	187.970888	4.24224E-06	0.006385082
1505.159971	208.8099	4.71255E-06	0.00709314
1505.199971	212.692319	4.80017E-06	0.007225215
1505.239971	212.633622	4.79884E-06	0.007223413
1505.279971	211.16972	4.76581E-06	0.007173873
1505.319971	202.064976	4.56033E-06	0.006864748
1505.359971	202.885238	4.57884E-06	0.006892798
1505.399971	211.382496	4.77061E-06	0.007181674
1505.439971	192.893749	4.35334E-06	0.006553697
1505.479971	185.507881	4.18665E-06	0.006302924
1505.519971	182.629712	4.1217E-06	0.006205299
1505.559971	181.189639	4.0892E-06	0.006156532
1505.599971	185.996225	4.19768E-06	0.00632002
1505.639971	178.996375	4.0397E-06	0.006082332
1505.679971	160.947666	3.63236E-06	0.005469179
1505.719971	174.989904	3.94928E-06	0.005946507
1505.759971	199.387541	4.4999E-06	0.006775768
1505.799971	217.19012	4.90168E-06	0.007380947
1505.839971	194.10792	4.38075E-06	0.006596702
1505.879971	159.362555	3.59659E-06	0.005416034
1505.919971	150.301182	3.39209E-06	0.005108214
1505.959971	159.524867	3.60025E-06	0.005421838
1505.999971	169.127755	3.81698E-06	0.005748369
1506.039971	167.433293	3.77874E-06	0.005690928
1506.079971	158.973983	3.58782E-06	0.005403546

1506.119971	168.637252	3.80591E-06	0.005732154
1506.159971	173.913166	3.92498E-06	0.005911645
1506.199971	178.849164	4.03638E-06	0.00607959
1506.239971	177.786302	4.01239E-06	0.006043621
1506.279971	202.436097	4.5687E-06	0.006881742
1506.319971	255.099773	5.75725E-06	0.008672255
1506.359971	264.60956	5.97187E-06	0.008995785
1506.399971	217.208979	4.9021E-06	0.007384529
1506.439971	181.605937	4.09859E-06	0.006174284
1506.479971	159.873852	3.60813E-06	0.005435576
1506.519971	153.172249	3.45688E-06	0.005207865
1506.559971	163.96367	3.70043E-06	0.005574922
1506.599971	168.304881	3.79841E-06	0.005722679
1506.639971	167.584195	3.78214E-06	0.005698326
1506.679971	171.663579	3.87421E-06	0.005837191
1506.719971	174.874562	3.94668E-06	0.005946534
1506.759971	175.717914	3.96571E-06	0.005975371
1506.799971	173.455949	3.91466E-06	0.005898608
1506.839971	170.045243	3.83768E-06	0.005782776
1506.879971	165.36138	3.73198E-06	0.00562364
1506.919971	177.153338	3.9981E-06	0.006024823
1506.959971	158.23446	3.57113E-06	0.005381552
1506.999971	144.351041	3.2578E-06	0.004909507
1507.039971	166.712363	3.76247E-06	0.005670186
1507.079971	189.692108	4.28109E-06	0.00645194
1507.119971	189.002084	4.26551E-06	0.006428641
1507.159971	204.385116	4.61269E-06	0.006952058
1507.199971	214.552492	4.84215E-06	0.00729809
1507.239971	204.245098	4.60953E-06	0.006947664
1507.279971	216.065854	4.87631E-06	0.007349957
1507.319971	235.89484	5.32382E-06	0.008024697
1507.359971	219.820016	4.96103E-06	0.00747806
1507.399971	188.174122	4.24683E-06	0.006401668
1507.439971	180.853893	4.08162E-06	0.006152798
1507.479971	179.77965	4.05738E-06	0.006116413
1507.519971	179.076917	4.04152E-06	0.006092667
1507.559971	175.687318	3.96502E-06	0.005977503
1507.599971	166.385894	3.7551E-06	0.005661185
1507.639971	151.579094	3.42093E-06	0.005157529
1507.679971	160.122519	3.61374E-06	0.005448367
1507.719971	164.404607	3.71038E-06	0.005594219
1507.759971	152.188755	3.43469E-06	0.005178685
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1507.839971	145.754927	3.28949E-06	0.004960018
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1507.919971	168.242152	3.79699E-06	0.005725559

1507.959971	168.255006	3.79728E-06	0.005726148
1507.999971	174.298712	3.93368E-06	0.005931988
1508.039971	171.759064	3.87636E-06	0.00584571
1508.079971	172.690033	3.89737E-06	0.005877551
1508.119971	172.539665	3.89398E-06	0.005872589
1508.159971	179.377496	4.0483E-06	0.006105484
1508.199971	198.090289	4.47062E-06	0.006742592
1508.239971	209.693688	4.73249E-06	0.007137737
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1508.319971	239.935724	5.41502E-06	0.008167575
1508.359971	224.46414	5.06584E-06	0.007641115
1508.399971	225.528754	5.08987E-06	0.00767756
1508.439971	218.352389	4.92791E-06	0.007433455
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1508.639971	139.856537	3.15637E-06	0.004761822
1508.679971	146.711545	3.31108E-06	0.004995353
1508.719971	172.510914	3.89333E-06	0.005873946
1508.759971	208.427864	4.70393E-06	0.007097096
1508.799971	222.070437	5.01182E-06	0.007561835
1508.839971	224.615982	5.06927E-06	0.007648717
1508.879971	213.716591	4.82329E-06	0.007277759
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1508.959971	212.909081	4.80506E-06	0.007250645
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1509.119971	211.528749	4.77391E-06	0.007204402
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1509.199971	226.671967	5.11567E-06	0.00772057
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1509.399971	171.828266	3.87792E-06	0.005853339
1509.439971	170.205192	3.84129E-06	0.005798203
1509.479971	195.289502	4.40741E-06	0.0066529
1509.519971	188.141548	4.24609E-06	0.006409562
1509.559971	158.804336	3.58399E-06	0.005410252
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1509.679971	132.655239	2.99384E-06	0.004519746
1509.719971	149.394636	3.37163E-06	0.005090215
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1509.879971	184.461461	4.16304E-06	0.006285688
1509.919971	186.798902	4.21579E-06	0.006365507
1509.959971	195.472388	4.41154E-06	0.006661248
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1510.039971	193.739634	4.37243E-06	0.00660255
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1510.199971	180.647874	4.07697E-06	0.006157041
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1510.319971	243.385808	5.49288E-06	0.008296004
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1510.399971	230.847922	5.20992E-06	0.007869057
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1512.039971	185.773654	4.19265E-06	0.006339458
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1513.839971	172.210194	3.88654E-06	0.005883606
1513.879971	165.15566	3.72733E-06	0.005642735
1513.919971	160.320622	3.61821E-06	0.005477685
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1515.439971	215.580249	4.86535E-06	0.00737314
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1516.479971	222.691116	5.02583E-06	0.007621568
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1516.679971	154.794593	3.4935E-06	0.005298519
1516.719971	159.028942	3.58906E-06	0.005443602
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1517.279971	224.529564	5.06732E-06	0.007688542
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1517.359971	224.785852	5.0731E-06	0.007697724
1517.399971	210.302938	4.74624E-06	0.007201951
1517.439971	194.170811	4.38216E-06	0.006649672
1517.479971	168.358323	3.79961E-06	0.005765836
1517.519971	152.351235	3.43836E-06	0.005217773
1517.559971	148.817268	3.3586E-06	0.005096875
1517.599971	143.112551	3.22985E-06	0.004901622
1517.639971	137.4955	3.10308E-06	0.004709361
1517.679971	137.402784	3.10099E-06	0.00470631
1517.719971	142.473776	3.21543E-06	0.004880129
1517.759971	142.423118	3.21429E-06	0.004878523
1517.799971	145.731152	3.28895E-06	0.004991967
1517.839971	170.78634	3.85441E-06	0.005850377
1517.879971	170.756211	3.85373E-06	0.005849499
1517.919971	163.513866	3.69028E-06	0.00560155
1517.959971	166.927587	3.76732E-06	0.005718646
1517.999971	178.862127	4.03667E-06	0.006127664
1518.039971	190.515809	4.29968E-06	0.006527081
1518.079971	186.19444	4.20215E-06	0.006379198
1518.119971	180.766027	4.07964E-06	0.006193379
1518.159971	173.746753	3.92122E-06	0.005953043
1518.199971	196.129804	4.42638E-06	0.006720125
1518.239971	217.070768	4.89898E-06	0.007437835
1518.279971	241.592398	5.4524E-06	0.008278276
1518.319971	242.635174	5.47594E-06	0.008314226
1518.359971	231.20548	5.21799E-06	0.007922781
1518.399971	250.83271	5.66094E-06	0.008595579
1518.439971	241.354052	5.44702E-06	0.00827098
1518.479971	196.435773	4.43328E-06	0.00673185
1518.519971	171.21235	3.86402E-06	0.005867598
1518.559971	147.991586	3.33996E-06	0.005071936
1518.599971	147.396371	3.32653E-06	0.00505167
1518.639971	158.176261	3.56982E-06	0.005421268
1518.679971	162.107652	3.65854E-06	0.005556157
1518.719971	169.887088	3.83411E-06	0.005822947
1518.759971	174.700521	3.94275E-06	0.005988087
1518.799971	162.664516	3.67111E-06	0.005575684
1518.839971	151.536577	3.41997E-06	0.005194386
1518.879971	158.809368	3.58411E-06	0.005443827
1518.919971	159.905264	3.60884E-06	0.005481538
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1519.079971	182.577836	4.12053E-06	0.006259411
1519.119971	190.271057	4.29415E-06	0.006523333
1519.159971	208.032972	4.69501E-06	0.007132478
1519.199971	224.536833	5.06748E-06	0.007698521
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1519.279971	242.744593	5.47841E-06	0.008323235
1519.319971	234.682329	5.29645E-06	0.008047007
1519.359971	260.970699	5.88975E-06	0.008948643
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1520.27997	211.980789	4.78411E-06	0.007273188
1520.31997	215.040432	4.85316E-06	0.007378361
1520.35997	215.465336	4.86275E-06	0.007393134
1520.39997	218.075529	4.92166E-06	0.007482893
1520.43997	214.620303	4.84368E-06	0.007364527
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1520.51997	193.590088	4.36906E-06	0.006643241
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1520.99997	150.810056	3.40357E-06	0.005176834
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1521.07997	170.014325	3.83699E-06	0.005836363
1521.11997	197.236318	4.45135E-06	0.006771036
1521.15997	219.949835	4.96396E-06	0.007550979
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1521.79997	167.764184	3.7862E-06	0.005761845
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1529.23997	170.0257	3.83724E-06	0.005868066
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1529.43997	190.012819	4.28832E-06	0.006558735
1529.47997	188.061216	4.24428E-06	0.006491541
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1529.55997	155.751564	3.5151E-06	0.00537655
1529.59997	156.589182	3.534E-06	0.005405606
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1529.67997	149.909379	3.38325E-06	0.005175283
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1529.83997	150.612667	3.39912E-06	0.005200107
1529.87997	152.341348	3.43813E-06	0.005259929
1529.91997	164.106487	3.70365E-06	0.005666295
1529.95997	189.383122	4.27411E-06	0.006539222
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1530.23997	161.950115	3.65499E-06	0.00559301
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1541.15997	184.454323	4.16288E-06	0.00641566
1541.19997	207.039904	4.6726E-06	0.007201414
1541.23997	208.336434	4.70186E-06	0.007246699
1541.27997	197.939314	4.46721E-06	0.006885228
1541.31997	191.202734	4.31518E-06	0.006651072
1541.35997	183.536698	4.14217E-06	0.006384571
1541.39997	181.960283	4.10659E-06	0.006329898
1541.43997	176.710933	3.98812E-06	0.006147447
1541.47997	162.245076	3.66165E-06	0.005644353
1541.51997	155.642746	3.51264E-06	0.005414805
1541.55997	128.719554	2.90502E-06	0.004478264
1541.59997	106.817678	2.41073E-06	0.003716375
1541.63997	124.420215	2.80799E-06	0.004328911
1541.67997	130.234546	2.93921E-06	0.004531325
1541.71997	131.30162	2.96329E-06	0.004568571
1541.75997	140.03316	3.16035E-06	0.004872506
1541.79997	153.709977	3.46902E-06	0.005348535
1541.83997	170.211876	3.84144E-06	0.005922893
1541.87997	163.51143	3.69023E-06	0.005689884
1541.91997	150.882247	3.4052E-06	0.005250549
1541.95997	137.305275	3.09879E-06	0.004778208
1541.99997	121.700721	2.74662E-06	0.004235281
1542.03997	134.346016	3.032E-06	0.004675469
1542.07997	165.085115	3.72574E-06	0.005745391
1542.11997	181.969955	4.10681E-06	0.006333191
1542.15997	174.225602	3.93203E-06	0.006063818
1542.19997	181.951715	4.1064E-06	0.006332885
1542.23997	206.371836	4.65752E-06	0.007183021
1542.27997	199.153637	4.49462E-06	0.006931963
1542.31997	176.979306	3.99418E-06	0.006160298
1542.35997	159.686114	3.60389E-06	0.005558501
1542.39997	170.06409	3.83811E-06	0.0059199
1542.43997	169.743219	3.83087E-06	0.005908884
1542.47997	156.029414	3.52137E-06	0.005431637
1542.51997	142.919837	3.2255E-06	0.004975401
1542.55997	151.145637	3.41115E-06	0.005261898
1542.59997	159.302358	3.59523E-06	0.005546005
1542.63997	175.361335	3.95766E-06	0.006105246
1542.67997	198.007621	4.46876E-06	0.006893861
1542.71997	183.621932	4.14409E-06	0.006393172
1542.75997	159.883431	3.60835E-06	0.005566812
1542.79997	179.469785	4.05038E-06	0.006248931
1542.83997	180.217871	4.06727E-06	0.006275141
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1542.91997	138.209557	3.1192E-06	0.004812672
1542.95997	151.873465	3.42757E-06	0.005288607
1542.99997	173.834956	3.92321E-06	0.006053517
1543.03997	168.540128	3.80372E-06	0.005869286
1543.07997	170.613091	3.8505E-06	0.005941629
1543.11997	181.119393	4.08761E-06	0.006307676
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1543.31997	203.611014	4.59522E-06	0.00709189
1543.35997	182.393017	4.11636E-06	0.00635302
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1543.43997	179.659477	4.05466E-06	0.006258131
1543.47997	164.919236	3.722E-06	0.005744829
1543.51997	141.411091	3.19145E-06	0.004926069
1543.55997	139.822036	3.15559E-06	0.00487084
1543.59997	139.58013	3.15013E-06	0.004862539
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1543.67997	96.435357	2.17641E-06	0.003359683
1543.71997	86.836951	1.95979E-06	0.003025365
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1544.19997	153.630756	3.46723E-06	0.0053541
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1544.27997	166.235521	3.7517E-06	0.005793682
1544.31997	177.903872	4.01504E-06	0.00620051
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1544.39997	162.376786	3.66462E-06	0.005659636
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1544.47997	145.529005	3.28439E-06	0.00507267
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1544.55997	128.157606	2.89234E-06	0.004467391
1544.59997	135.602434	3.06036E-06	0.004727029
1544.63997	140.022576	3.16011E-06	0.004881239
1544.67997	138.79952	3.13251E-06	0.004838728
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1544.87997	184.767444	4.16994E-06	0.006442063
1544.91997	187.917265	4.24103E-06	0.006552053
1544.95997	205.302158	4.63338E-06	0.007158392
1544.99997	187.979584	4.24244E-06	0.006554566
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1545.07997	154.254269	3.4813E-06	0.005378893
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1545.31997	215.248713	4.85786E-06	0.007506954
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1545.39997	171.892307	3.87937E-06	0.005995178
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1553.15997	179.622537	4.05383E-06	0.006296247
1553.19997	165.521698	3.73559E-06	0.005802125
1553.23997	170.538844	3.84882E-06	0.005978148
1553.27997	193.335591	4.36331E-06	0.00677745
1553.31997	207.964516	4.69347E-06	0.00729046
1553.35997	210.754117	4.75643E-06	0.007388443
1553.39997	205.65942	4.64145E-06	0.007210023
1553.43997	196.401434	4.43251E-06	0.006885633
1553.47997	171.390199	3.86804E-06	0.00600892
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1553.59997	139.408949	3.14627E-06	0.004888038
1553.63997	134.101766	3.02649E-06	0.004702076
1553.67997	130.051449	2.93508E-06	0.004560175
1553.71997	142.687672	3.22026E-06	0.005003385
1553.75997	156.02768	3.52133E-06	0.005471298
1553.79997	162.272529	3.66226E-06	0.005690427
1553.83997	164.85049	3.72045E-06	0.005780978
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1554.07997	146.422291	3.30455E-06	0.005135531
1554.11997	162.039799	3.65701E-06	0.005683436
1554.15997	169.66135	3.82902E-06	0.00595091
1554.19997	167.561124	3.78162E-06	0.005877396
1554.23997	195.598711	4.41439E-06	0.006861022
1554.27997	198.147573	4.47191E-06	0.006950607
1554.31997	176.824171	3.99068E-06	0.006202786
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1554.43997	169.966262	3.8359E-06	0.005962679
1554.47997	164.525373	3.71311E-06	0.005771953
1554.51997	150.385294	3.39399E-06	0.00527602
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1554.59997	143.988074	3.24961E-06	0.005051844
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1554.87997	187.31672	4.22748E-06	0.00657322
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1565.039969	135.656179	3.06157E-06	0.004791481
1565.079969	140.504065	3.17098E-06	0.004962839
1565.119969	143.95228	3.2488E-06	0.005084766
1565.159969	149.975993	3.38475E-06	0.005297674
1565.199969	164.045314	3.70227E-06	0.0057948
1565.239969	185.736204	4.19181E-06	0.006561185
1565.279969	212.300105	4.79132E-06	0.007499754
1565.319969	216.770698	4.89221E-06	0.007657878
1565.359969	223.411626	5.04209E-06	0.007892685
1565.399969	201.239475	4.54169E-06	0.007109569
1565.439969	161.844818	3.65261E-06	0.005717945
1565.479969	145.138354	3.27557E-06	0.00512784
1565.519969	140.645609	3.17418E-06	0.004969235
1565.559969	148.348905	3.34803E-06	0.005241539
1565.599969	170.065421	3.83814E-06	0.006008991
1565.639969	165.808375	3.74206E-06	0.005858725
1565.679969	148.63387	3.35446E-06	0.00525201
1565.719969	134.458328	3.03454E-06	0.004751235
1565.759969	123.950137	2.79738E-06	0.004380029
1565.799969	124.956421	2.82009E-06	0.004415701
1565.839969	142.873388	3.22445E-06	0.005048978
1565.879969	159.390474	3.59722E-06	0.005632816
1565.919969	141.332456	3.18968E-06	0.004994778
1565.959969	123.462816	2.78638E-06	0.004363365
1565.999969	126.94531	2.86498E-06	0.004486557
1566.039969	119.582649	2.69881E-06	0.00422645
1566.079969	123.184786	2.78011E-06	0.004353873
1566.119969	145.668569	3.28754E-06	0.005148677
1566.159969	166.100562	3.74866E-06	0.005870999
1566.199969	184.459858	4.163E-06	0.006520094
1566.239969	194.725539	4.39468E-06	0.00688313
1566.279969	186.833137	4.21656E-06	0.006604319
1566.319969	183.187982	4.1343E-06	0.006475633
1566.359969	207.588914	4.68499E-06	0.007338385
1566.399969	198.02871	4.46923E-06	0.007000605
1566.439969	191.31896	4.3178E-06	0.006763578
1566.479969	168.197511	3.79598E-06	0.005946332
1566.519969	155.328487	3.50555E-06	0.00549151
1566.559969	150.525525	3.39715E-06	0.005321841
1566.599969	137.124379	3.09471E-06	0.004848167
1566.639969	139.291242	3.14361E-06	0.004924904
1566.679969	137.663601	3.10688E-06	0.00486748
1566.719969	129.831775	2.93012E-06	0.004590681
1566.759969	133.708831	3.01762E-06	0.004727889
1566.799969	170.127196	3.83953E-06	0.006015782

1566.839969	187.135179	4.22338E-06	0.006617361
1566.879969	172.031546	3.88251E-06	0.006083431
1566.919969	153.104676	3.45536E-06	0.005414271
1566.959969	152.308066	3.43738E-06	0.005386238
1566.999969	159.722952	3.60472E-06	0.005648603
1567.039969	164.087727	3.70323E-06	0.005803112
1567.079969	158.217341	3.57075E-06	0.005595643
1567.119969	147.938174	3.33876E-06	0.005232235
1567.159969	147.452071	3.32779E-06	0.005215176
1567.199969	148.522011	3.35193E-06	0.005253152
1567.239969	147.993104	3.34E-06	0.005234579
1567.279969	154.910926	3.49612E-06	0.005479405
1567.319969	159.871479	3.60808E-06	0.005655011
1567.359969	177.859157	4.01403E-06	0.006291435
1567.399969	176.803491	3.99021E-06	0.006254253
1567.439969	160.481744	3.62185E-06	0.005677032
1567.479969	156.198869	3.52519E-06	0.005525666
1567.519969	152.050928	3.43158E-06	0.005379067
1567.559969	141.408235	3.19139E-06	0.00500269
1567.599969	128.207844	2.89347E-06	0.004535807
1567.639969	120.766891	2.72554E-06	0.004272666
1567.679969	139.964921	3.15881E-06	0.004952008
1567.719969	149.856225	3.38205E-06	0.005302101
1567.759969	155.705271	3.51405E-06	0.005509189
1567.799969	169.563777	3.82682E-06	0.005999686
1567.839969	171.401933	3.8683E-06	0.00606488
1567.879969	162.73543	3.67271E-06	0.005758372
1567.919969	161.464703	3.64403E-06	0.005713553
1567.959969	144.128375	3.25278E-06	0.005100224
1567.999969	137.302588	3.09873E-06	0.004858806
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1568.079969	159.824656	3.60702E-06	0.005656096
1568.119969	149.868102	3.38231E-06	0.005303875
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1568.199969	169.79153	3.83196E-06	0.006009277
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1568.279969	199.413191	4.50048E-06	0.007058009
1568.319969	229.769981	5.18559E-06	0.008132662
1568.359969	233.021123	5.25896E-06	0.008247946
1568.399969	220.981454	4.98724E-06	0.007821993
1568.439969	200.304477	4.52059E-06	0.007090279
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1568.519969	151.437451	3.41773E-06	0.005360781
1568.559969	140.187897	3.16385E-06	0.004962682
1568.599969	156.62537	3.53482E-06	0.005544713
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1568.719969	142.040876	3.20566E-06	0.00502879
1568.759969	131.985678	2.97873E-06	0.004672917
1568.799969	151.909385	3.42838E-06	0.005378448
1568.839969	176.152334	3.97551E-06	0.006236943
1568.879969	159.710063	3.60443E-06	0.005654924
1568.919969	133.306418	3.00854E-06	0.004720159
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1568.999969	179.764997	4.05705E-06	0.006365504
1569.039969	186.639801	4.2122E-06	0.006609111
1569.079969	191.451137	4.32079E-06	0.006779658
1569.119969	179.290015	4.04633E-06	0.006349171
1569.159969	180.606057	4.07603E-06	0.006395939
1569.199969	181.464198	4.09539E-06	0.006426492
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1569.279969	192.455451	4.34345E-06	0.006816091
1569.319969	202.091786	4.56093E-06	0.007157559
1569.359969	208.142097	4.69748E-06	0.007372033
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1569.479969	150.786029	3.40303E-06	0.005340988
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1570.119969	149.935101	3.38383E-06	0.005313013
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1574.359969	130.387653	2.94267E-06	0.004632818
1574.399969	129.888789	2.93141E-06	0.00461521
1574.439969	131.187604	2.96072E-06	0.004661478
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1574.799969	131.613452	2.97033E-06	0.004677679
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1575.999969	150.744573	3.4021E-06	0.005361702

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1576.479969	148.748814	3.35705E-06	0.005292328
1576.519969	125.759249	2.83821E-06	0.004474496
1576.559969	139.282709	3.14342E-06	0.004955785
1576.599969	145.553505	3.28494E-06	0.005179036
1576.639969	145.386738	3.28118E-06	0.005173233
1576.679969	138.76043	3.13163E-06	0.004937578
1576.719969	144.336311	3.25747E-06	0.005136117
1576.759969	162.344541	3.66389E-06	0.005777075
1576.799969	173.561447	3.91704E-06	0.006176389
1576.839969	171.206392	3.86389E-06	0.006092736
1576.879969	173.62228	3.91841E-06	0.006178867
1576.919969	178.506779	4.02865E-06	0.006352858
1576.959969	187.68036	4.23568E-06	0.006679505
1576.999969	176.110351	3.97457E-06	0.006267889
1577.039969	161.500649	3.64484E-06	0.005748066
1577.079969	149.987331	3.38501E-06	0.005338424
1577.119969	129.031775	2.91207E-06	0.00459268
1577.159969	130.216562	2.93881E-06	0.004634968
1577.199969	167.479474	3.77978E-06	0.005961466
1577.239969	191.66014	4.3255E-06	0.006822355
1577.279969	169.496366	3.8253E-06	0.006033564
1577.319969	145.975322	3.29446E-06	0.005196417
1577.359969	158.485796	3.5768E-06	0.005641907
1577.399969	179.947783	4.06117E-06	0.006406091
1577.439969	171.192666	3.86358E-06	0.006094566
1577.479969	170.782543	3.85432E-06	0.006080119
1577.519969	177.672612	4.00982E-06	0.006325576
1577.559969	163.093737	3.6808E-06	0.00580668
1577.599969	157.240686	3.5487E-06	0.005598434
1577.639969	161.614876	3.64742E-06	0.00575432
1577.679969	159.369824	3.59675E-06	0.005674528
1577.719969	160.024282	3.61153E-06	0.005697975
1577.759969	157.476379	3.55402E-06	0.005607394
1577.799969	158.958318	3.58747E-06	0.005660307
1577.839969	161.365902	3.6418E-06	0.005746183

1577.879969	159.861336	3.60785E-06	0.005692751
1577.919969	157.960335	3.56494E-06	0.005625197
1577.959969	137.514806	3.10352E-06	0.004897227
1577.999969	123.621664	2.78997E-06	0.004402571
1578.039969	130.897028	2.95416E-06	0.004661788
1578.079969	150.487108	3.39628E-06	0.005359608
1578.119969	159.666047	3.60344E-06	0.005686661
1578.159969	175.117429	3.95216E-06	0.006237135
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1578.319969	177.043645	3.99563E-06	0.00630638
1578.359969	174.796072	3.9449E-06	0.006226478
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1578.439969	135.924984	3.06764E-06	0.004842082
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1578.599969	130.973141	2.95588E-06	0.004666154
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1578.679969	154.215149	3.48042E-06	0.005494471
1578.719969	154.919579	3.49632E-06	0.005519709
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1578.839969	153.972326	3.47494E-06	0.005486376
1578.879969	149.845806	3.38181E-06	0.005339474
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1579.799969	126.891606	2.86377E-06	0.004524179
1579.839969	131.120845	2.95921E-06	0.004675086
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1580.279969	205.448225	4.63668E-06	0.007327253
1580.319969	202.395888	4.56779E-06	0.007218575
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1580.799969	151.64358	3.42238E-06	0.005410105
1580.839969	158.366462	3.57411E-06	0.005650097
1580.879969	172.591465	3.89515E-06	0.006157763
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1581.079969	157.501495	3.55459E-06	0.00562009
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1588.079969	185.400743	4.18424E-06	0.006644902
1588.119969	178.283286	4.02361E-06	0.006389968
1588.159969	156.425571	3.53031E-06	0.005606693
1588.199969	163.177838	3.6827E-06	0.005848858
1588.239969	164.92146	3.72205E-06	0.005911505
1588.279969	156.893308	3.54086E-06	0.005623882
1588.319969	154.423706	3.48513E-06	0.005535498
1588.359969	158.259101	3.57169E-06	0.005673125
1588.399969	164.543609	3.71352E-06	0.005898555
1588.439969	179.986071	4.06203E-06	0.006452299
1588.479969	172.797085	3.89979E-06	0.006194738
1588.519969	144.536919	3.262E-06	0.005181747
1588.559969	143.653562	3.24206E-06	0.005150208
1588.599969	166.550839	3.75882E-06	0.005971262
1588.639969	174.537525	3.93907E-06	0.006257762
1588.679969	155.06145	3.49952E-06	0.005559619
1588.719969	126.560093	2.85629E-06	0.004537837
1588.759969	131.785326	2.97421E-06	0.004725308
1588.799969	150.829452	3.40401E-06	0.005408292
1588.839969	166.718021	3.76259E-06	0.005978159
1588.879969	149.799219	3.38076E-06	0.005371621

1588.919969	133.603554	3.01525E-06	0.004790985
1588.959969	124.430622	2.80823E-06	0.004462158
1588.999969	117.021867	2.64102E-06	0.004196582
1589.039969	142.463135	3.21519E-06	0.005109073
1589.079969	168.632655	3.8058E-06	0.006047727
1589.119969	163.930629	3.69969E-06	0.005879245
1589.159969	162.951076	3.67758E-06	0.005844261
1589.199969	167.82348	3.78754E-06	0.006019162
1589.239969	163.922304	3.6995E-06	0.00587939
1589.279969	148.735218	3.35675E-06	0.00533481
1589.319969	160.561043	3.62364E-06	0.005759122
1589.359969	193.295579	4.36241E-06	0.006933443
1589.399969	202.413414	4.56819E-06	0.007260679
1589.439969	183.850648	4.14925E-06	0.006594989
1589.479969	149.77299	3.38017E-06	0.005372709
1589.519969	133.597105	3.0151E-06	0.004792563
1589.559969	123.128751	2.77884E-06	0.00441714
1589.599969	121.09585	2.73296E-06	0.004344321
1589.639969	121.771329	2.74821E-06	0.004368663
1589.679969	124.041487	2.79944E-06	0.004450219
1589.719969	120.68439	2.72368E-06	0.004329886
1589.759969	141.399706	3.19119E-06	0.005073233
1589.799969	180.808894	4.0806E-06	0.006487346
1589.839969	177.930103	4.01563E-06	0.006384216
1589.879969	151.194958	3.41226E-06	0.005425083
1589.919969	135.330328	3.05422E-06	0.004855961
1589.959969	134.048799	3.02529E-06	0.004810097
1589.999969	130.554676	2.94644E-06	0.004684835
1590.039969	134.195013	3.02859E-06	0.004815586
1590.079969	136.966943	3.09115E-06	0.004915181
1590.119969	147.635347	3.33192E-06	0.005298159
1590.159969	163.680058	3.69403E-06	0.0058741
1590.199969	159.833509	3.60722E-06	0.005736201
1590.239969	153.574341	3.46596E-06	0.005511706
1590.279969	156.20229	3.52527E-06	0.005606163
1590.319969	151.508419	3.41933E-06	0.005437835
1590.359969	157.17914	3.54731E-06	0.005641507
1590.399969	177.770354	4.01203E-06	0.006380731
1590.439969	164.473569	3.71194E-06	0.005903617
1590.479969	153.356081	3.46103E-06	0.005504704
1590.519969	151.815601	3.42627E-06	0.005449546
1590.559969	150.721113	3.40157E-06	0.005410394
1590.599969	149.32362	3.37003E-06	0.005360363
1590.639969	153.140922	3.45618E-06	0.005497534
1590.679969	155.579748	3.51122E-06	0.005585224
1590.719969	150.227452	3.39042E-06	0.005393216

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1590.799969	173.017562	3.90477E-06	0.006211701
1590.839969	163.833193	3.69749E-06	0.00588211
1590.879969	178.696007	4.03292E-06	0.006415892
1590.919969	210.388686	4.74818E-06	0.007553974
1590.959969	213.291875	4.8137E-06	0.007658405
1590.999969	187.136985	4.22342E-06	0.006719463
1591.039969	160.85444	3.63026E-06	0.00577589
1591.079969	141.103671	3.18451E-06	0.005066815
1591.119969	143.6392	3.24174E-06	0.005157992
1591.159969	159.28926	3.59494E-06	0.005720119
1591.199969	181.402073	4.09399E-06	0.00651436
1591.239969	193.287215	4.36222E-06	0.006941344
1591.279969	217.494395	4.90855E-06	0.00781087
1591.319969	229.140033	5.17137E-06	0.008229307
1591.359969	217.390595	4.9062E-06	0.007807535
1591.399969	196.120444	4.42617E-06	0.007043799
1591.439969	170.250289	3.84231E-06	0.006114809
1591.479969	148.544403	3.35244E-06	0.005335342
1591.519969	133.857949	3.02099E-06	0.004807962
1591.559969	137.988283	3.1142E-06	0.004956441
1591.599969	147.642931	3.3321E-06	0.005303363
1591.639969	141.846042	3.20127E-06	0.005095265
1591.679969	147.573078	3.33052E-06	0.00530112
1591.719969	172.998958	3.90435E-06	0.006214625
1591.759969	177.202812	3.99922E-06	0.006365799
1591.799969	150.469513	3.39589E-06	0.005405573
1591.839969	116.805741	2.63614E-06	0.004196318
1591.879969	98.1222	2.21448E-06	0.003525189
1591.919969	103.508182	2.33604E-06	0.003718782
1591.959969	137.062298	3.09331E-06	0.004924418
1591.999969	148.863893	3.35965E-06	0.005348564
1592.039969	152.860762	3.44985E-06	0.005492306
1592.079969	153.110487	3.45549E-06	0.005501417
1592.119969	155.206016	3.50278E-06	0.005576852
1592.159969	169.997573	3.83661E-06	0.006108494
1592.199969	180.325396	4.06969E-06	0.006479765
1592.239969	180.5921	4.07571E-06	0.006489512
1592.279969	187.587707	4.23359E-06	0.006741066
1592.319969	166.258114	3.75221E-06	0.005974725
1592.359969	143.728995	3.24376E-06	0.005165239
1592.399969	141.591842	3.19553E-06	0.005088563
1592.439969	139.274708	3.14324E-06	0.005005415
1592.479969	125.638858	2.83549E-06	0.004515467
1592.519969	110.370442	2.49091E-06	0.003966819
1592.559969	110.391756	2.49139E-06	0.003967685

1592.599969	138.508694	3.12595E-06	0.004978385
1592.639969	145.224195	3.27751E-06	0.00521989
1592.679969	137.552842	3.10438E-06	0.004944278
1592.719969	155.518437	3.50983E-06	0.005590184
1592.759969	173.959228	3.92602E-06	0.006253203
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1592.879969	145.899041	3.29274E-06	0.005244937
1592.919969	149.465314	3.37322E-06	0.005373276
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1592.999969	151.081975	3.40971E-06	0.005431668
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1593.079969	176.592531	3.98545E-06	0.006349137
1593.119969	183.27343	4.13623E-06	0.006589504
1593.159969	186.341758	4.20547E-06	0.006699993
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1593.319969	148.95179	3.36163E-06	0.005356159
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1593.399969	160.856126	3.6303E-06	0.005784518
1593.439969	165.23418	3.72911E-06	0.005942105
1593.479969	146.3961	3.30396E-06	0.005264788
1593.519969	128.963366	2.91052E-06	0.004637977
1593.559969	117.202722	2.6451E-06	0.004215129
1593.599969	118.94474	2.68442E-06	0.004277887
1593.639969	122.972997	2.77533E-06	0.004422876
1593.679969	123.650981	2.79063E-06	0.004447372
1593.719969	120.040017	2.70914E-06	0.004317604
1593.759969	125.727924	2.8375E-06	0.0045223
1593.799969	143.445411	3.23736E-06	0.005159709
1593.839969	154.082232	3.47742E-06	0.005542453
1593.879969	150.453278	3.39552E-06	0.005412053
1593.919969	145.573004	3.28538E-06	0.005236633
1593.959969	136.655822	3.08413E-06	0.004915982
1593.999969	128.469645	2.89938E-06	0.004621613
1594.039969	126.576905	2.85666E-06	0.004553637
1594.079969	152.309545	3.43741E-06	0.005479513
1594.119969	168.504912	3.80292E-06	0.006062313
1594.159969	162.569036	3.66896E-06	0.005848904
1594.199969	165.600811	3.73738E-06	0.005958131
1594.239969	158.616934	3.57976E-06	0.005707002
1594.279969	167.627749	3.78312E-06	0.00603136
1594.319969	179.727296	4.05619E-06	0.006466872
1594.359969	181.55162	4.09737E-06	0.006532678
1594.399969	189.384499	4.27414E-06	0.006814696

1594.439969	187.030505	4.22102E-06	0.00673016
1594.479969	163.127877	3.68157E-06	0.005870188
1594.519969	151.241697	3.41331E-06	0.005442598
1594.559969	138.208346	3.11917E-06	0.004973703
1594.599969	127.637658	2.8806E-06	0.004593411
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1594.679969	118.491016	2.67418E-06	0.004264457
1594.719969	132.903387	2.99944E-06	0.004783274
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1594.839969	134.117575	3.02685E-06	0.004827336
1594.879969	135.646764	3.06136E-06	0.004882499
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1595.279969	185.619141	4.18917E-06	0.006682892
1595.319969	176.046481	3.97312E-06	0.006338404
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1595.799969	134.988823	3.04651E-06	0.00486162
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1595.879969	141.244097	3.18768E-06	0.005087159
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1596.079969	179.871679	4.05945E-06	0.006479212
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1596.199969	153.6671	3.46805E-06	0.005535705
1596.239969	157.311259	3.5503E-06	0.005667124

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1596.359969	164.838533	3.72018E-06	0.00593874
1596.399969	174.094214	3.92906E-06	0.006272358
1596.439969	195.353162	4.40885E-06	0.007038462
1596.479969	174.547332	3.93929E-06	0.006288998
1596.519969	125.607384	2.83478E-06	0.004525789
1596.559969	119.933154	2.70672E-06	0.004321448
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1596.679969	158.783802	3.58353E-06	0.005721749
1596.719969	130.602394	2.94751E-06	0.004706355
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1596.879969	175.010081	3.94973E-06	0.006307251
1596.919969	157.556932	3.55584E-06	0.005678393
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1596.999969	146.558463	3.30762E-06	0.00528227
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1597.079969	149.020846	3.36319E-06	0.005371288
1597.119969	159.784162	3.60611E-06	0.005759384
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1597.239969	170.517721	3.84835E-06	0.006146734
1597.279969	161.004445	3.63365E-06	0.00580395
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1597.399969	175.114024	3.95208E-06	0.006313052
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1597.679969	117.084668	2.64244E-06	0.00422177
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1598.239969	161.470352	3.64416E-06	0.005824244
1598.279969	166.105301	3.74877E-06	0.005991576
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1598.679969	148.590469	3.35348E-06	0.005361141
1598.719969	140.665535	3.17463E-06	0.005075337
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1598.799969	138.507302	3.12592E-06	0.004997716
1598.839969	149.823272	3.3813E-06	0.005406162
1598.879969	170.471503	3.8473E-06	0.006151378
1598.919969	178.183266	4.02135E-06	0.006429814
1598.959969	173.824859	3.92298E-06	0.006272696
1598.999969	161.792703	3.65144E-06	0.005838646
1599.039969	134.356797	3.03225E-06	0.004848682
1599.079969	135.868664	3.06637E-06	0.004903365
1599.119969	134.614761	3.03807E-06	0.004858235
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1599.199969	159.740862	3.60513E-06	0.005765322
1599.239969	170.286098	3.84312E-06	0.006146071
1599.279969	169.747244	3.83096E-06	0.006126776
1599.319969	172.895518	3.90201E-06	0.006240564
1599.359969	175.265253	3.95549E-06	0.006326257
1599.399969	172.093481	3.88391E-06	0.006211926
1599.439969	158.334972	3.5734E-06	0.005715438
1599.479969	158.22361	3.57089E-06	0.005711561
1599.519969	151.426046	3.41747E-06	0.005466319
1599.559969	131.57167	2.96939E-06	0.004749716
1599.599969	126.089603	2.84567E-06	0.004551928
1599.639969	117.444473	2.65056E-06	0.004239939
1599.679969	127.694578	2.88189E-06	0.0046101
1599.719969	142.832016	3.22352E-06	0.005156729
1599.759969	136.457007	3.07964E-06	0.004926692
1599.799969	127.529323	2.87816E-06	0.004604479
1599.839969	135.769311	3.06412E-06	0.004902108
1599.879969	160.127066	3.61384E-06	0.005781718
1599.919969	140.438562	3.1695E-06	0.005070951

1599.959969	103.824053	2.34316E-06	0.003748969
1599.999969	99.989115	2.25662E-06	0.003610584
1600.039969	114.778452	2.59039E-06	0.004144727
1600.079969	145.781466	3.29008E-06	0.005264399
1600.119969	181.997941	4.10744E-06	0.006572397
1600.159969	167.252308	3.77465E-06	0.006040046
1600.199969	141.202465	3.18674E-06	0.005099426
1600.239969	148.300611	3.34694E-06	0.005355904
1600.279969	173.321913	3.91163E-06	0.00625971
1600.319969	182.515	4.11911E-06	0.006591893
1600.359969	176.011847	3.97234E-06	0.006357177
1600.399969	180.515447	4.07398E-06	0.006520001
1600.439969	182.029338	4.10815E-06	0.006574845
1600.479969	162.707943	3.67209E-06	0.005877109
1600.519969	138.115024	3.11706E-06	0.004988923
1600.559969	130.493463	2.94506E-06	0.004713738
1600.599969	133.685206	3.01709E-06	0.004829152
1600.639969	145.33247	3.27995E-06	0.005250021
1600.679969	141.98223	3.20434E-06	0.005129125
1600.719969	132.26228	2.98498E-06	0.00477811
1600.759969	127.383553	2.87487E-06	0.004601976
1600.799969	128.100698	2.89105E-06	0.004628
1600.839969	124.250861	2.80417E-06	0.004489026
1600.879969	107.672895	2.43003E-06	0.003890182
1600.919969	101.749049	2.29633E-06	0.003676247
1600.959969	120.340268	2.71591E-06	0.004348067
1600.999969	127.717284	2.8824E-06	0.004614724
1601.039969	128.941195	2.91002E-06	0.004659063
1601.079969	141.457955	3.19251E-06	0.005111462
1601.119969	146.521069	3.30678E-06	0.005294546
1601.159969	162.735963	3.67272E-06	0.005880619
1601.199969	179.746632	4.05663E-06	0.006495478
1601.239969	174.243706	3.93244E-06	0.006296776
1601.279969	169.645433	3.82866E-06	0.006130758
1601.319969	175.471418	3.96015E-06	0.00634146
1601.359969	180.197245	4.0668E-06	0.006512412
1601.399969	162.12447	3.65892E-06	0.0058594
1601.439969	143.645999	3.24189E-06	0.005191692
1601.479969	134.467064	3.03473E-06	0.004860066
1601.519969	124.41226	2.80781E-06	0.004496766
1601.559969	107.22451	2.41991E-06	0.003875628
1601.599969	104.203852	2.35174E-06	0.00376654
1601.639969	109.510726	2.4715E-06	0.00395846
1601.679969	108.751895	2.45438E-06	0.003931129
1601.719969	122.101057	2.75565E-06	0.004413781
1601.759969	157.980017	3.56539E-06	0.005710897

1601.799969	167.941499	3.79021E-06	0.006071151
1601.839969	141.642818	3.19668E-06	0.005120572
1601.879969	139.162998	3.14072E-06	0.005031048
1601.919969	141.73986	3.19887E-06	0.005124336
1601.959969	135.241732	3.05222E-06	0.00488953
1601.999969	138.478099	3.12526E-06	0.005006663
1602.039969	142.88291	3.22467E-06	0.005166047
1602.079969	153.100969	3.45528E-06	0.005535628
1602.119969	169.722067	3.83039E-06	0.006136745
1602.159969	177.327413	4.00203E-06	0.006411897
1602.199969	173.543912	3.91664E-06	0.006275247
1602.239969	159.853748	3.60768E-06	0.005780363
1602.279969	152.235387	3.43574E-06	0.005505018
1602.319969	154.435345	3.48539E-06	0.005584711
1602.359969	155.016783	3.49851E-06	0.005605877
1602.399969	160.195171	3.61538E-06	0.005793288
1602.439969	148.16801	3.34395E-06	0.005358472
1602.479969	148.608594	3.35389E-06	0.00537454
1602.519969	148.211283	3.34492E-06	0.005360305
1602.559969	146.44687	3.3051E-06	0.005296624
1602.599969	135.143688	3.05E-06	0.004887938
1602.639969	126.779258	2.86123E-06	0.004585524
1602.679969	112.947282	2.54906E-06	0.004085332
1602.719969	118.599343	2.67662E-06	0.004289875
1602.759969	132.35766	2.98713E-06	0.004787649
1602.799969	150.158453	3.38887E-06	0.005431676
1602.839969	141.69278	3.19781E-06	0.005125576
1602.879969	124.170472	2.80235E-06	0.004491838
1602.919969	124.086548	2.80046E-06	0.004488914
1602.959969	137.318411	3.09909E-06	0.00496771
1602.999969	138.37207	3.12286E-06	0.005005952
1603.039969	151.51309	3.41944E-06	0.005481498
1603.079969	158.071411	3.56745E-06	0.00571891
1603.119969	153.797358	3.47099E-06	0.005564417
1603.159969	146.912006	3.3156E-06	0.005315436
1603.199969	158.71697	3.58202E-06	0.005742696
1603.239969	176.636044	3.98643E-06	0.006391203
1603.279969	179.057318	4.04107E-06	0.006478973
1603.319969	173.970382	3.92627E-06	0.006295066
1603.359969	171.579469	3.87231E-06	0.006208706
1603.399969	160.47672	3.62174E-06	0.005807091
1603.439969	149.283982	3.36913E-06	0.0054022
1603.479969	146.378852	3.30357E-06	0.005297203
1603.519969	147.120276	3.3203E-06	0.005324167
1603.559969	142.397268	3.21371E-06	0.005153373
1603.599969	151.733532	3.42441E-06	0.005491391

1603.639969	154.023996	3.47611E-06	0.005574424
1603.679969	170.39669	3.84562E-06	0.006167137
1603.719969	172.023917	3.88234E-06	0.006226187
1603.759969	139.275372	3.14325E-06	0.00504102
1603.799969	109.098774	2.46221E-06	0.003948888
1603.839969	100.327722	2.26426E-06	0.003631506
1603.879969	100.093363	2.25897E-06	0.003623113
1603.919969	110.368385	2.49086E-06	0.003995141
1603.959969	129.484628	2.92229E-06	0.004687232
1603.999969	155.32519	3.50547E-06	0.005622779
1604.039969	162.174886	3.66006E-06	0.005870885
1604.079969	171.501857	3.87056E-06	0.006208685
1604.119969	172.067699	3.88333E-06	0.006229324
1604.159969	157.21978	3.54823E-06	0.005691931
1604.199969	154.057949	3.47687E-06	0.0055776
1604.239969	140.656512	3.17442E-06	0.005092534
1604.279969	149.381049	3.37132E-06	0.005408545
1604.319969	168.535394	3.80361E-06	0.006102206
1604.359969	161.949141	3.65497E-06	0.005863882
1604.399969	155.67468	3.51336E-06	0.005636836
1604.439969	130.817657	2.95237E-06	0.004736904
1604.479969	128.873215	2.90849E-06	0.004666612
1604.519969	145.099211	3.27469E-06	0.005254301
1604.559969	152.76959	3.4478E-06	0.005532197
1604.599969	133.749056	3.01853E-06	0.004843533
1604.639969	121.444446	2.74083E-06	0.004398049
1604.679969	109.797221	2.47797E-06	0.003976349
1604.719969	123.584374	2.78913E-06	0.004475768
1604.759969	153.729186	3.46945E-06	0.00556764
1604.799969	159.448902	3.59854E-06	0.005774936
1604.839969	154.999433	3.49812E-06	0.005613925
1604.879969	150.894292	3.40547E-06	0.005465377
1604.919969	129.380535	2.91994E-06	0.004686268
1604.959969	118.448276	2.67321E-06	0.004290399
1604.999969	111.100741	2.50739E-06	0.004024359
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1605.079969	117.94551	2.66187E-06	0.004272508
1605.119969	140.431185	3.16934E-06	0.005087165
1605.159969	152.743571	3.44721E-06	0.005533323
1605.199969	168.107872	3.79396E-06	0.006090065
1605.239969	162.209674	3.66085E-06	0.005876537
1605.279969	146.23342	3.30028E-06	0.005297881
1605.319969	149.159111	3.36631E-06	0.00540401
1605.359969	141.036734	3.183E-06	0.005109865
1605.399969	115.958095	2.61701E-06	0.004201352
1605.439969	116.200927	2.62249E-06	0.004210255

1605.479969	134.750972	3.04114E-06	0.004882492
1605.519969	144.497339	3.2611E-06	0.005235767
1605.559969	142.956933	3.22634E-06	0.005180081
1605.599969	159.830307	3.60715E-06	0.005791636
1605.639969	184.845871	4.17171E-06	0.00669827
1605.679969	182.42909	4.11717E-06	0.006610858
1605.719969	162.178412	3.66014E-06	0.005877161
1605.759969	151.764932	3.42512E-06	0.005499926
1605.799969	145.424898	3.28204E-06	0.005270296
1605.839969	156.924714	3.54157E-06	0.005687198
1605.879969	148.882131	3.36006E-06	0.005395857
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1605.959969	119.167086	2.68944E-06	0.004319125
1605.999969	127.823596	2.8848E-06	0.00463299
1606.039969	146.643182	3.30953E-06	0.005315241
1606.079969	151.706868	3.42381E-06	0.005498917
1606.119969	141.973982	3.20416E-06	0.005146257
1606.159969	144.187259	3.25411E-06	0.005226614
1606.199969	153.671023	3.46814E-06	0.005570528
1606.239969	165.653625	3.73857E-06	0.006005043
1606.279969	178.26721	4.02324E-06	0.006462454
1606.319969	173.327178	3.91175E-06	0.006283527
1606.359969	158.418322	3.57528E-06	0.005743188
1606.399969	153.799848	3.47105E-06	0.005575892
1606.439969	159.443245	3.59841E-06	0.005780633
1606.479969	155.797471	3.51613E-06	0.005648595
1606.519969	153.06376	3.45444E-06	0.00554962
1606.559969	150.790346	3.40313E-06	0.005467329
1606.599969	135.010412	3.047E-06	0.004895305
1606.639969	135.610582	3.06054E-06	0.004917189
1606.679969	142.618246	3.2187E-06	0.005171413
1606.719969	148.337896	3.34778E-06	0.005378944
1606.759969	151.822227	3.42642E-06	0.005505428
1606.799969	133.754392	3.01865E-06	0.004850367
1606.839969	126.098985	2.84588E-06	0.004572871
1606.879969	160.341078	3.61867E-06	0.005814776
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1606.959969	159.320294	3.59564E-06	0.005778045
1606.999969	156.122816	3.52347E-06	0.005662223
1607.039969	150.665972	3.40032E-06	0.005464452
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1607.119969	146.699382	3.3108E-06	0.005320854
1607.159969	142.261486	3.21064E-06	0.005160018
1607.199969	141.425717	3.19178E-06	0.005129831
1607.239969	155.650978	3.51283E-06	0.005645954
1607.279969	177.289651	4.00118E-06	0.006431017

1607.319969	175.727307	3.96592E-06	0.006374503
1607.359969	168.408292	3.80074E-06	0.006109158
1607.399969	167.114353	3.77154E-06	0.00606237
1607.439969	166.086147	3.74833E-06	0.00602522
1607.479969	157.991615	3.56565E-06	0.005731712
1607.519969	141.612935	3.19601E-06	0.005137645
1607.559969	143.875044	3.24706E-06	0.005219843
1607.599969	135.380595	3.05535E-06	0.004911783
1607.639969	117.530222	2.65249E-06	0.004264254
1607.679969	125.354351	2.82907E-06	0.004548244
1607.719969	133.330148	3.00908E-06	0.004837751
1607.759969	138.03158	3.11518E-06	0.005008463
1607.799969	144.607627	3.26359E-06	0.005247204
1607.839969	145.079591	3.27424E-06	0.005264461
1607.879969	139.644095	3.15157E-06	0.005067351
1607.919969	142.470411	3.21536E-06	0.00517004
1607.959969	144.700566	3.26569E-06	0.005251099
1607.999969	144.791855	3.26775E-06	0.005254543
1608.039969	144.913883	3.2705E-06	0.005259102
1608.079969	146.289828	3.30156E-06	0.005309169
1608.119969	173.185186	3.90855E-06	0.006285415
1608.159969	206.862341	4.66859E-06	0.007507847
1608.199969	201.722384	4.55259E-06	0.00732148
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1608.279969	172.64027	3.89625E-06	0.006266262
1608.319969	174.867732	3.94652E-06	0.006347269
1608.359969	174.388707	3.93571E-06	0.006330039
1608.399969	168.527221	3.80342E-06	0.006117428
1608.439969	137.26881	3.09797E-06	0.004982892
1608.479969	134.081535	3.02603E-06	0.004867314
1608.519969	142.123214	3.20752E-06	0.005159365
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1608.599969	150.030222	3.38597E-06	0.005446676
1608.639969	170.849537	3.85584E-06	0.006202652
1608.679969	156.316415	3.52784E-06	0.005675172
1608.719969	151.622566	3.42191E-06	0.005504895
1608.759969	147.129408	3.32051E-06	0.005341897
1608.799969	165.768435	3.74116E-06	0.006018782
1608.839969	175.219785	3.95447E-06	0.006362104
1608.879969	157.837169	3.56217E-06	0.005731096
1608.919969	143.436725	3.23717E-06	0.005208343
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1609.079969	129.275436	2.91757E-06	0.004694598
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1609.359968	185.594116	4.1886E-06	0.006740966
1609.399968	162.783422	3.6738E-06	0.005912606
1609.439968	141.530925	3.19416E-06	0.005140802
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1609.519968	136.410713	3.0786E-06	0.004955068
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1609.679968	151.696814	3.42359E-06	0.005510877
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1609.839968	127.302162	2.87303E-06	0.004625123
1609.879968	136.195457	3.07374E-06	0.004948355
1609.919968	148.067293	3.34167E-06	0.005379825
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1610.199968	153.309195	3.45997E-06	0.005571252
1610.239968	156.247745	3.52629E-06	0.005678179
1610.279968	155.638579	3.51255E-06	0.005656182
1610.319968	146.741097	3.31174E-06	0.005332965
1610.359968	132.708149	2.99504E-06	0.004823089
1610.399968	134.504365	3.03558E-06	0.004888492
1610.439968	164.838715	3.72018E-06	0.005991127
1610.479968	191.975794	4.33263E-06	0.006977608
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1610.679968	132.650779	2.99374E-06	0.004821962
1610.719968	141.977744	3.20424E-06	0.005161133
1610.759968	145.675613	3.2877E-06	0.005295689
1610.799968	144.720494	3.26614E-06	0.005261098
1610.839968	149.337839	3.37035E-06	0.00542909
1610.879968	149.479453	3.37354E-06	0.005434373
1610.919968	137.4572	3.10222E-06	0.004997424
1610.959968	136.839146	3.08827E-06	0.004975078

1610.999968	144.392332	3.25873E-06	0.00524982
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1611.079968	131.73087	2.97298E-06	0.004789712
1611.119968	127.595953	2.87966E-06	0.004639482
1611.159968	135.126885	3.04963E-06	0.004913435
1611.199968	134.959832	3.04586E-06	0.004907482
1611.239968	135.976095	3.06879E-06	0.004944559
1611.279968	154.418567	3.48501E-06	0.00561533
1611.319968	155.26895	3.5042E-06	0.005646394
1611.359968	146.553704	3.30751E-06	0.005329594
1611.399968	146.76308	3.31224E-06	0.005337341
1611.439968	137.168434	3.0957E-06	0.004988536
1611.479968	137.296611	3.09859E-06	0.004993321
1611.519968	135.351971	3.05471E-06	0.004922719
1611.559968	126.58323	2.85681E-06	0.004603916
1611.599968	125.790823	2.83892E-06	0.004575209
1611.639968	135.235902	3.05209E-06	0.004918864
1611.679968	147.755495	3.33464E-06	0.005374366
1611.719968	143.580035	3.2404E-06	0.00522262
1611.759968	128.642015	2.90327E-06	0.004679376
1611.799968	135.20506	3.05139E-06	0.00491823
1611.839968	143.540042	3.2395E-06	0.005221554
1611.879968	134.476299	3.03494E-06	0.004891963
1611.919968	123.164266	2.77965E-06	0.004480567
1611.959968	125.161684	2.82472E-06	0.004553343
1611.999968	134.416496	3.03359E-06	0.004890152
1612.039968	128.642741	2.90329E-06	0.004680215
1612.079968	133.748759	3.01852E-06	0.004866101
1612.119968	149.71231	3.3788E-06	0.005447028
1612.159968	162.219878	3.66108E-06	0.005902241
1612.199968	157.188616	3.54753E-06	0.005719325
1612.239968	146.125746	3.29785E-06	0.005316933
1612.279968	139.102192	3.13934E-06	0.005061499
1612.319968	142.311919	3.21178E-06	0.00517842
1612.359968	138.544188	3.12675E-06	0.005041445
1612.399968	128.086459	2.89073E-06	0.004661018
1612.439968	127.391714	2.87505E-06	0.004635851
1612.479968	137.653371	3.10664E-06	0.005009403
1612.519968	138.474348	3.12517E-06	0.005039404
1612.559968	134.541676	3.03642E-06	0.004896406
1612.599968	129.968179	2.9332E-06	0.004730079
1612.639968	139.86805	3.15663E-06	0.005090503
1612.679968	130.325296	2.94126E-06	0.004743312
1612.719968	126.318035	2.85082E-06	0.004597578
1612.759968	122.2477	2.75896E-06	0.004449541
1612.799968	139.64539	3.1516E-06	0.005082904

1612.839968	152.725506	3.4468E-06	0.00555914
1612.879968	148.861696	3.3596E-06	0.005418633
1612.919968	136.405509	3.07848E-06	0.004965346
1612.959968	135.841717	3.06576E-06	0.004944945
1612.999968	140.224255	3.16467E-06	0.005104606
1613.039968	136.301618	3.07614E-06	0.004961933
1613.079968	151.781667	3.4255E-06	0.005525607
1613.119968	162.024427	3.65667E-06	0.00589864
1613.159968	152.023086	3.43095E-06	0.00553467
1613.199968	142.004416	3.20484E-06	0.005170051
1613.239968	139.218398	3.14197E-06	0.005068744
1613.279968	158.553817	3.57834E-06	0.005772862
1613.319968	183.612531	4.14388E-06	0.006685403
1613.359968	181.510523	4.09644E-06	0.006609032
1613.399968	151.829351	3.42658E-06	0.005528439
1613.439968	138.347161	3.1223E-06	0.005037648
1613.479968	147.096849	3.31977E-06	0.005356384
1613.519968	147.326758	3.32496E-06	0.005364889
1613.559968	143.909146	3.24783E-06	0.005240567
1613.599968	158.665464	3.58086E-06	0.005778073
1613.639968	165.519665	3.73555E-06	0.00602783
1613.679968	149.000264	3.36273E-06	0.005426367
1613.719968	134.285597	3.03064E-06	0.004890602
1613.759968	125.957454	2.84268E-06	0.00458741
1613.799968	112.805084	2.54585E-06	0.004108498
1613.839968	108.983573	2.45961E-06	0.003969413
1613.879968	120.148662	2.71159E-06	0.004376177
1613.919968	121.50615	2.74222E-06	0.004425731
1613.959968	120.938799	2.72942E-06	0.004405175
1613.999968	126.99288	2.86605E-06	0.004625809
1614.039968	129.09214	2.91343E-06	0.004702392
1614.079968	142.806668	3.22295E-06	0.005202095
1614.119968	171.982366	3.8814E-06	0.006265049
1614.159968	177.698675	4.01041E-06	0.006473446
1614.199968	178.375083	4.02568E-06	0.006498248
1614.239968	165.521586	3.73559E-06	0.006030141
1614.279968	160.762195	3.62818E-06	0.005856896
1614.319968	183.230129	4.13525E-06	0.006675615
1614.359968	195.253639	4.4066E-06	0.007113843
1614.399968	168.011749	3.79179E-06	0.006121468
1614.439968	144.819343	3.26837E-06	0.005276589
1614.479968	142.555575	3.21728E-06	0.005194235
1614.519968	139.255518	3.1428E-06	0.005074118
1614.559968	131.105871	2.95888E-06	0.004777284
1614.599968	116.763785	2.6352E-06	0.004254787
1614.639968	110.965148	2.50433E-06	0.004043589

1614.679968	116.745323	2.63478E-06	0.004254325
1614.719968	127.323564	2.87352E-06	0.004639923
1614.759968	137.461887	3.10232E-06	0.005009508
1614.799968	128.413936	2.89812E-06	0.00467989
1614.839968	126.428102	2.85331E-06	0.004607633
1614.879968	130.031183	2.93462E-06	0.004739063
1614.919968	142.433226	3.21452E-06	0.005191192
1614.959968	141.646691	3.19677E-06	0.005162653
1614.999968	133.273869	3.00781E-06	0.004857606
1615.039968	139.146269	3.14034E-06	0.005071771
1615.079968	158.942636	3.58711E-06	0.005793476
1615.119968	164.217223	3.70615E-06	0.005985883
1615.159968	140.717634	3.1758E-06	0.005129427
1615.199968	146.280003	3.30134E-06	0.005332318
1615.239968	155.493607	3.50927E-06	0.00566832
1615.279968	137.807977	3.11013E-06	0.005023737
1615.319968	142.575262	3.21773E-06	0.005197656
1615.359968	159.900691	3.60874E-06	0.005829407
1615.399968	154.651793	3.49028E-06	0.005638191
1615.439968	158.133197	3.56885E-06	0.005765256
1615.479968	148.341021	3.34785E-06	0.005408385
1615.519968	137.093581	3.09401E-06	0.004998437
1615.559968	133.772472	3.01906E-06	0.00487747
1615.599968	138.862735	3.13394E-06	0.005063191
1615.639968	156.803383	3.53883E-06	0.005717482
1615.679968	160.816591	3.62941E-06	0.005863959
1615.719968	148.500962	3.35146E-06	0.005415021
1615.759968	140.627233	3.17376E-06	0.005128036
1615.799968	156.161555	3.52435E-06	0.005694643
1615.839968	164.917598	3.72196E-06	0.006014092
1615.879968	158.84563	3.58492E-06	0.005792808
1615.919968	146.414094	3.30436E-06	0.005339585
1615.959968	135.319587	3.05397E-06	0.004935101
1615.999968	136.580229	3.08243E-06	0.0049812
1616.039968	128.084785	2.8907E-06	0.004671479
1616.079968	116.374779	2.62642E-06	0.004244499
1616.119968	117.77448	2.65801E-06	0.004295657
1616.159968	144.759661	3.26702E-06	0.005280033
1616.199968	155.665944	3.51316E-06	0.005677975
1616.239968	156.601844	3.53429E-06	0.005712253
1616.279968	176.991098	3.99444E-06	0.006456137
1616.319968	208.831537	4.71304E-06	0.007617776
1616.359968	210.764921	4.75667E-06	0.007688492
1616.399968	189.98424	4.28768E-06	0.006930605
1616.439968	175.206176	3.95416E-06	0.006391661
1616.479968	147.282803	3.32397E-06	0.005373127

1616.519968	124.197567	2.80297E-06	0.004531051
1616.559968	132.333419	2.98658E-06	0.004827987
1616.599968	152.914233	3.45106E-06	0.005578986
1616.639968	153.630324	3.46722E-06	0.00560525
1616.679968	134.420261	3.03368E-06	0.004904487
1616.719968	137.673777	3.10711E-06	0.005023319
1616.759968	137.588357	3.10518E-06	0.005020327
1616.799968	137.437398	3.10177E-06	0.005014943
1616.839968	141.77599	3.19969E-06	0.005173381
1616.879968	141.949266	3.2036E-06	0.005179832
1616.919968	144.82566	3.26851E-06	0.005284925
1616.959968	138.262171	3.12038E-06	0.005045537
1616.999968	145.287918	3.27895E-06	0.005302055
1617.039968	175.707462	3.96547E-06	0.006412328
1617.079968	176.182526	3.97619E-06	0.006429824
1617.119968	151.780837	3.42548E-06	0.005539415
1617.159968	138.049774	3.11559E-06	0.005038409
1617.199968	159.127342	3.59128E-06	0.005807822
1617.239968	163.885922	3.69868E-06	0.005981648
1617.279968	147.091201	3.31964E-06	0.005368793
1617.319968	133.667506	3.01669E-06	0.004878952
1617.359968	132.820255	2.99757E-06	0.004848147
1617.399968	145.063593	3.27388E-06	0.005295179
1617.439968	147.316136	3.32472E-06	0.005377535
1617.479968	139.267102	3.14306E-06	0.005083844
1617.519968	117.869183	2.66014E-06	0.004302835
1617.559968	113.312558	2.55731E-06	0.004136597
1617.599968	115.344786	2.60317E-06	0.00421089
1617.639968	120.445478	2.71829E-06	0.004397209
1617.679968	136.249136	3.07495E-06	0.00497429
1617.719968	129.483964	2.92227E-06	0.004727419
1617.759968	111.234307	2.5104E-06	0.00406123
1617.799968	103.34388	2.33233E-06	0.003773239
1617.839968	124.502631	2.80985E-06	0.004545889
1617.879968	142.26442	3.21071E-06	0.005194543
1617.919968	142.636786	3.21911E-06	0.005208268
1617.959968	135.905056	3.06719E-06	0.004962587
1617.999968	130.458448	2.94427E-06	0.004763821
1618.039968	123.287661	2.78243E-06	0.004502084
1618.079968	138.818883	3.13295E-06	0.005069362
1618.119968	155.836612	3.51702E-06	0.005690953
1618.159968	154.870878	3.49522E-06	0.005655825
1618.199968	160.762597	3.62819E-06	0.005871134
1618.239968	170.267037	3.84269E-06	0.006218394
1618.279968	176.928606	3.99303E-06	0.006461844
1618.319968	174.824702	3.94555E-06	0.006385162

1618.359968	170.576677	3.84968E-06	0.006230165
1618.399968	147.477164	3.32835E-06	0.005386608
1618.439968	125.993062	2.84349E-06	0.004602014
1618.479968	117.609395	2.65428E-06	0.004295899
1618.519968	118.965176	2.68488E-06	0.004345529
1618.559968	133.388836	3.0104E-06	0.004872513
1618.599968	125.245368	2.82661E-06	0.004575157
1618.639968	121.832327	2.74959E-06	0.00445059
1618.679968	143.485802	3.23827E-06	0.00524173
1618.719968	148.048194	3.34124E-06	0.005408534
1618.759968	138.550516	3.12689E-06	0.005061688
1618.799968	134.069758	3.02577E-06	0.004898113
1618.839968	124.585941	2.81173E-06	0.004551743
1618.879968	132.337586	2.98667E-06	0.004835068
1618.919968	141.245092	3.1877E-06	0.005160639
1618.959968	140.787741	3.17738E-06	0.005144056
1618.999968	135.820439	3.06528E-06	0.004962685
1619.039968	133.004318	3.00172E-06	0.004859908
1619.079968	153.89775	3.47326E-06	0.005623482
1619.119968	169.284449	3.82051E-06	0.006185871
1619.159968	146.90104	3.31535E-06	0.005368085
1619.199968	147.54946	3.32999E-06	0.005391913
1619.239968	157.460657	3.55367E-06	0.005754241
1619.279968	158.358856	3.57394E-06	0.005787208
1619.319968	156.445311	3.53075E-06	0.005717418
1619.359968	136.694017	3.08499E-06	0.004995715
1619.399968	130.182016	2.93803E-06	0.00475784
1619.439968	147.757222	3.33467E-06	0.005400305
1619.479968	164.879061	3.72109E-06	0.006026232
1619.519968	171.639868	3.87367E-06	0.00627349
1619.559968	153.670444	3.46813E-06	0.005616841
1619.599968	138.898234	3.13474E-06	0.005077024
1619.639968	133.694997	3.01731E-06	0.004886956
1619.679968	123.846125	2.79503E-06	0.004527061
1619.719968	140.631067	3.17385E-06	0.005140744
1619.759968	155.049908	3.49926E-06	0.005667962
1619.799968	146.6794	3.31035E-06	0.005362104
1619.839968	140.178527	3.16363E-06	0.005124581
1619.879968	140.310029	3.1666E-06	0.005129515
1619.919968	150.343486	3.39304E-06	0.005496458
1619.959968	144.34951	3.25777E-06	0.005277453
1619.999968	139.329764	3.14448E-06	0.005094055
1620.039968	142.291815	3.21133E-06	0.00520248
1620.079968	139.724577	3.15339E-06	0.005108742
1620.119968	123.150839	2.77934E-06	0.004502869
1620.159968	126.570802	2.85653E-06	0.00462803

1620.199968	139.081986	3.13889E-06	0.005085624
1620.239968	152.285262	3.43687E-06	0.005568548
1620.279968	164.624588	3.71535E-06	0.006019903
1620.319968	182.107338	4.10991E-06	0.006659368
1620.359968	209.257417	4.72265E-06	0.00765239
1620.399968	201.959919	4.55795E-06	0.007385709
1620.439968	179.055692	4.04104E-06	0.006548259
1620.479968	163.049424	3.6798E-06	0.00596304
1620.519968	146.424833	3.3046E-06	0.005355178
1620.559968	134.443237	3.0342E-06	0.004917098
1620.599968	124.952861	2.82001E-06	0.004570111
1620.639968	126.687211	2.85915E-06	0.004633659
1620.679968	129.16777	2.91514E-06	0.004724504
1620.719968	120.807926	2.72647E-06	0.004418839
1620.759968	113.870835	2.56991E-06	0.004165201
1620.799968	123.814404	2.79432E-06	0.004529032
1620.839968	128.773656	2.90624E-06	0.004710553
1620.879968	126.882896	2.86357E-06	0.004641504
1620.919968	127.809346	2.88448E-06	0.004675509
1620.959968	132.118009	2.98172E-06	0.004833248
1620.999968	149.498898	3.37398E-06	0.005469225
1621.039968	158.863117	3.58532E-06	0.005811946
1621.079968	147.158711	3.32117E-06	0.005383878
1621.119968	138.214033	3.1193E-06	0.005056757
1621.159968	140.040849	3.16053E-06	0.00512372
1621.199968	158.29734	3.57255E-06	0.005791819
1621.239968	179.182784	4.04391E-06	0.006556142
1621.279968	195.5758	4.41387E-06	0.007156125
1621.319968	211.258956	4.76782E-06	0.007730162
1621.359968	195.264661	4.40685E-06	0.007145092
1621.399968	178.336913	4.02482E-06	0.006525836
1621.439968	162.307255	3.66305E-06	0.005939414
1621.479968	127.745735	2.88304E-06	0.004674797
1621.519968	119.595787	2.69911E-06	0.004376661
1621.559968	117.876805	2.66032E-06	0.004313861
1621.599968	123.018632	2.77636E-06	0.004502144
1621.639968	149.899631	3.38303E-06	0.00548605
1621.679968	157.254713	3.54902E-06	0.005755374
1621.719968	146.900047	3.31533E-06	0.005376536
1621.759968	137.018618	3.09232E-06	0.005015
1621.799968	139.597732	3.15053E-06	0.005109524
1621.839968	139.145972	3.14033E-06	0.005093114
1621.879968	131.560008	2.96913E-06	0.004815566
1621.919968	127.391995	2.87506E-06	0.004663117
1621.959968	153.613195	3.46684E-06	0.005623069
1621.999968	177.136535	3.99772E-06	0.00648431

1622.039968	187.090957	4.22238E-06	0.006848873
1622.079968	188.710417	4.25893E-06	0.006908327
1622.119968	193.722947	4.37206E-06	0.007092001
1622.159968	189.122874	4.26824E-06	0.006923768
1622.199968	168.783941	3.80922E-06	0.006179314
1622.239968	165.681287	3.7392E-06	0.006065873
1622.279968	158.137077	3.56893E-06	0.005789809
1622.319968	149.313427	3.3698E-06	0.005466887
1622.359968	152.32903	3.43785E-06	0.005577437
1622.399968	160.152754	3.61442E-06	0.005864042
1622.439968	171.449973	3.86939E-06	0.006277848
1622.479968	159.964475	3.61018E-06	0.005857437
1622.519968	160.537758	3.62311E-06	0.005878574
1622.559968	147.634847	3.33191E-06	0.005406228
1622.599968	132.046576	2.98011E-06	0.004835522
1622.639968	127.870147	2.88585E-06	0.004682697
1622.679968	140.478688	3.17041E-06	0.005144558
1622.719968	156.806693	3.53891E-06	0.005742658
1622.759968	158.240441	3.57127E-06	0.005795308
1622.799968	157.534775	3.55534E-06	0.005769606
1622.839968	159.008777	3.58861E-06	0.005823734
1622.879968	166.70509	3.7623E-06	0.006105764
1622.919968	158.903686	3.58623E-06	0.005820172
1622.959968	127.459305	2.87658E-06	0.004668573
1622.999968	122.564234	2.7661E-06	0.004489387
1623.039968	142.414865	3.21411E-06	0.005216621
1623.079968	156.612428	3.53452E-06	0.005736816
1623.119968	138.723807	3.1308E-06	0.005081669
1623.159968	131.701834	2.97233E-06	0.004824562
1623.199968	148.777352	3.3577E-06	0.005450215
1623.239968	164.741311	3.71798E-06	0.006035177
1623.279968	175.61125	3.9633E-06	0.006433548
1623.319968	169.098402	3.81632E-06	0.006195101
1623.359968	167.825604	3.78759E-06	0.006148622
1623.399968	174.631294	3.94119E-06	0.00639812
1623.439968	179.244057	4.04529E-06	0.006567283
1623.479968	180.560198	4.07499E-06	0.006615668
1623.519968	163.564319	3.69142E-06	0.005993092
1623.559968	150.332014	3.39278E-06	0.005508389
1623.599968	136.510787	3.08086E-06	0.005002081
1623.639968	136.942157	3.09059E-06	0.005018012
1623.679968	128.659935	2.90368E-06	0.00471464
1623.719968	120.497931	2.71947E-06	0.004415658
1623.759968	136.476705	3.08009E-06	0.005001325
1623.799968	149.02404	3.36327E-06	0.00546127
1623.839968	143.947213	3.24869E-06	0.00527535

1623.879968	140.703204	3.17548E-06	0.005156591
1623.919968	150.752937	3.40228E-06	0.005525037
1623.959968	142.506844	3.21618E-06	0.005222949
1623.999968	124.955554	2.82007E-06	0.004579798
1624.039968	121.173539	2.73472E-06	0.004441291
1624.079968	137.802959	3.11002E-06	0.005050923
1624.119968	142.232206	3.20998E-06	0.005213397
1624.159968	143.115148	3.22991E-06	0.00524589
1624.199968	136.019855	3.06978E-06	0.004985934
1624.239968	134.100873	3.02647E-06	0.004915713
1624.279968	154.755704	3.49262E-06	0.005672994
1624.319968	158.754012	3.58286E-06	0.005819706
1624.359968	148.93361	3.36122E-06	0.005459838
1624.399968	148.110737	3.34265E-06	0.005429805
1624.439968	151.782744	3.42553E-06	0.00556456
1624.479968	149.956468	3.38431E-06	0.005497742
1624.519968	140.077519	3.16135E-06	0.005135683
1624.559968	134.755346	3.04124E-06	0.004940678
1624.599968	131.680781	2.97185E-06	0.00482807
1624.639968	131.507718	2.96795E-06	0.004821844
1624.679968	120.768451	2.72558E-06	0.004428188
1624.719968	115.941882	2.61665E-06	0.004251318
1624.759968	112.207593	2.53237E-06	0.004114492
1624.799968	107.123329	2.41762E-06	0.003928156
1624.839968	125.574781	2.83405E-06	0.004604874
1624.879968	140.592464	3.17298E-06	0.005155705
1624.919968	142.038729	3.20562E-06	0.00520887
1624.959968	144.186422	3.25409E-06	0.005287761
1624.999968	133.939894	3.02284E-06	0.00491211
1625.039968	123.039752	2.77684E-06	0.004512469
1625.079968	139.270385	3.14314E-06	0.005107852
1625.119968	150.184322	3.38945E-06	0.005508264
1625.159968	137.149918	3.09528E-06	0.005030329
1625.199968	142.897075	3.22499E-06	0.00524125
1625.239968	147.708314	3.33357E-06	0.005417853
1625.279968	149.674526	3.37795E-06	0.005490107
1625.319968	159.76126	3.60559E-06	0.005860236
1625.359968	167.944474	3.79027E-06	0.006160558
1625.399968	150.224013	3.39035E-06	0.005510669
1625.439968	129.591734	2.9247E-06	0.004753932
1625.479968	123.454582	2.7862E-06	0.004528909
1625.519968	116.489706	2.62901E-06	0.004273509
1625.559968	120.385747	2.71694E-06	0.004416547
1625.599968	132.35688	2.98711E-06	0.004855847
1625.639968	142.038641	3.20561E-06	0.005211175
1625.679968	142.310911	3.21176E-06	0.005221292

1625.719968	121.887042	2.75082E-06	0.004472064
1625.759968	115.046642	2.59644E-06	0.004221192
1625.799968	104.703446	2.36301E-06	0.003841783
1625.839968	105.724828	2.38606E-06	0.003879355
1625.879968	122.435797	2.76321E-06	0.00449264
1625.919968	130.196465	2.93835E-06	0.004777527
1625.959968	131.551477	2.96893E-06	0.004827367
1625.999968	146.911197	3.31558E-06	0.005391135
1626.039968	145.449337	3.28259E-06	0.005337621
1626.079968	128.585312	2.90199E-06	0.00471887
1626.119968	138.594194	3.12788E-06	0.005086305
1626.159968	138.275551	3.12069E-06	0.005074736
1626.199968	146.765536	3.31229E-06	0.005386452
1626.239968	150.305528	3.39219E-06	0.005516509
1626.279968	131.98884	2.9788E-06	0.00484437
1626.319968	136.168206	3.07313E-06	0.004997887
1626.359968	169.933875	3.83517E-06	0.006237368
1626.399968	158.201728	3.57039E-06	0.005806886
1626.439968	125.954544	2.84262E-06	0.004623349
1626.479968	121.555114	2.74333E-06	0.004461971
1626.519968	117.198884	2.64502E-06	0.004302171
1626.559968	114.138073	2.57594E-06	0.004189917
1626.599968	116.562896	2.63066E-06	0.004279035
1626.639968	137.344356	3.09967E-06	0.005042048
1626.679968	150.543961	3.39757E-06	0.005526755
1626.719968	150.520203	3.39703E-06	0.005526019
1626.759968	135.828862	3.06547E-06	0.004986781
1626.799968	116.126622	2.62082E-06	0.004263544
1626.839968	114.789063	2.59063E-06	0.004214539
1626.879968	115.155273	2.59889E-06	0.004228089
1626.919968	127.970414	2.88811E-06	0.00469873
1626.959968	137.321433	3.09915E-06	0.005042199
1626.999968	127.928199	2.88716E-06	0.004697411
1627.039968	134.524653	3.03603E-06	0.004939749
1627.079968	153.800179	3.47106E-06	0.005647685
1627.119968	168.612701	3.80535E-06	0.006191767
1627.159968	179.481776	4.05065E-06	0.006591062
1627.199968	170.640739	3.85112E-06	0.006266549
1627.239968	157.259559	3.54913E-06	0.005775285
1627.279968	139.843869	3.15608E-06	0.005135828
1627.319968	137.056661	3.09318E-06	0.00503359
1627.359968	141.515974	3.19382E-06	0.005197492
1627.399968	157.247614	3.54886E-06	0.005775414
1627.439968	162.848984	3.67527E-06	0.005981289
1627.479968	149.632294	3.37699E-06	0.005495988
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1627.599968	129.491204	2.92244E-06	0.004756557
1627.639968	124.382466	2.80714E-06	0.004569012
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1627.719968	104.985994	2.36939E-06	0.0038567
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1627.799968	122.595054	2.7668E-06	0.004503796
1627.839968	132.485019	2.99E-06	0.004867245
1627.879968	124.118772	2.80119E-06	0.004559998
1627.919968	122.717545	2.76956E-06	0.004508629
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1627.999968	125.582352	2.83422E-06	0.004614108
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1628.079968	135.673252	3.06196E-06	0.00498511
1628.119968	120.209529	2.71296E-06	0.004417027
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1628.199968	130.878848	2.95375E-06	0.004809301
1628.239968	137.354016	3.09989E-06	0.005047363
1628.279968	137.046213	3.09294E-06	0.005036176
1628.319968	161.142475	3.63676E-06	0.005921811
1628.359968	179.065672	4.04126E-06	0.006580631
1628.399968	159.184443	3.59257E-06	0.005850143
1628.439968	147.488173	3.3286E-06	0.00542043
1628.479968	154.800239	3.49363E-06	0.0056893
1628.519968	144.390608	3.25869E-06	0.00530685
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1628.759968	120.310689	2.71524E-06	0.004422482
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1628.879968	159.497049	3.59963E-06	0.005863359
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1628.999968	121.441934	2.74078E-06	0.004464723
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1629.159968	159.661909	3.60335E-06	0.005870429
1629.199968	135.907567	3.06724E-06	0.004997155
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1629.279968	145.918624	3.29318E-06	0.005365512
1629.319968	159.498464	3.59966E-06	0.005864995
1629.359968	161.198585	3.63803E-06	0.005927656

1629.399968	153.585927	3.46622E-06	0.005647859
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1629.479968	149.501165	3.37403E-06	0.005497919
1629.519968	149.993498	3.38514E-06	0.00551616
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1629.639968	109.186635	2.46419E-06	0.004015743
1629.679968	97.828741	2.20786E-06	0.003598103
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1629.839968	111.954739	2.52666E-06	0.004118056
1629.879968	115.602904	2.609E-06	0.004252351
1629.919968	100.855685	2.27617E-06	0.003709979
1629.959968	105.815663	2.38811E-06	0.003892527
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1630.039968	125.473748	2.83177E-06	0.004615895
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1630.359968	157.065457	3.54475E-06	0.005779216
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1630.519968	170.435124	3.84648E-06	0.006271768
1630.559968	138.391126	3.12329E-06	0.00509272
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1630.679968	119.746961	2.70252E-06	0.004406949
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1630.759968	132.953151	3.00057E-06	0.004893205
1630.799968	140.637471	3.17399E-06	0.005176146
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1630.879968	233.819434	5.27698E-06	0.008606119
1630.919968	240.332693	5.42397E-06	0.008846068
1630.959968	225.134349	5.08097E-06	0.008286857
1630.999968	202.190447	4.56316E-06	0.007442509
1631.039968	164.983573	3.72345E-06	0.006073095
1631.079968	131.222372	2.96151E-06	0.004830453
1631.119968	104.591492	2.36048E-06	0.003850233
1631.159968	107.338992	2.42249E-06	0.003951471
1631.199968	146.868563	3.31462E-06	0.005406806

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1631.279968	195.541239	4.41309E-06	0.007198991
1631.319968	189.69868	4.28123E-06	0.006984064
1631.359968	189.772728	4.28291E-06	0.006986962
1631.399968	198.391236	4.47741E-06	0.007304453
1631.439968	199.072485	4.49279E-06	0.007329715
1631.479968	192.554527	4.34569E-06	0.007089902
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1631.599968	131.347827	2.96434E-06	0.004836613
1631.639968	127.348223	2.87407E-06	0.004689451
1631.679968	133.251291	3.0073E-06	0.004906945
1631.719968	113.206252	2.55491E-06	0.004168893
1631.759968	101.536327	2.29153E-06	0.003739233
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1631.839968	141.890388	3.20227E-06	0.00522559
1631.879968	149.195671	3.36714E-06	0.005494766
1631.919968	162.264522	3.66208E-06	0.005976228
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1631.999968	137.496348	3.1031E-06	0.005064261
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1632.079968	123.607106	2.78964E-06	0.004552916
1632.119968	127.978041	2.88829E-06	0.004714029
1632.159968	136.062773	3.07075E-06	0.005011951
1632.199968	142.682502	3.22015E-06	0.005255921
1632.239968	151.584091	3.42104E-06	0.005583961
1632.279968	167.535458	3.78104E-06	0.006171719
1632.319968	174.500355	3.93823E-06	0.006428451
1632.359968	166.199103	3.75088E-06	0.00612279
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1632.439968	177.042318	3.9956E-06	0.006522575
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1632.519968	128.250887	2.89444E-06	0.004725237
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1632.599968	130.39363	2.9428E-06	0.004804419
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1632.919968	140.371569	3.16799E-06	0.005173075
1632.959968	138.583655	3.12764E-06	0.005107311
1632.999968	136.639224	3.08376E-06	0.005035775
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1633.199968	166.536049	3.75849E-06	0.00613836
1633.239968	174.076972	3.92867E-06	0.006416469
1633.279968	180.650168	4.07702E-06	0.006658919
1633.319968	179.673022	4.05497E-06	0.006623063
1633.359968	164.087983	3.70324E-06	0.006048719
1633.399968	145.659881	3.28734E-06	0.005369542
1633.439968	132.992214	3.00145E-06	0.004902687
1633.479968	124.938118	2.81968E-06	0.00460589
1633.519968	120.783102	2.72591E-06	0.004452822
1633.559968	116.619363	2.63194E-06	0.004299426
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1633.639968	116.103251	2.62029E-06	0.004280608
1633.679968	129.656081	2.92616E-06	0.004780404
1633.719968	124.564019	2.81124E-06	0.004592773
1633.759968	131.880935	2.97637E-06	0.004862673
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1633.879968	133.439029	3.01153E-06	0.004920483
1633.919968	134.526341	3.03607E-06	0.004960699
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1634.079968	98.561164	2.22439E-06	0.003634828
1634.119968	115.485904	2.60636E-06	0.004259098
1634.159968	132.544181	2.99134E-06	0.004888324
1634.199968	136.227714	3.07447E-06	0.005024298
1634.239968	132.787439	2.99683E-06	0.004897535
1634.279968	137.207411	3.09658E-06	0.005060679
1634.319968	133.659384	3.01651E-06	0.004929936
1634.359968	131.30607	2.9634E-06	0.004843254
1634.399968	142.430515	3.21446E-06	0.005253711
1634.439968	163.379709	3.68725E-06	0.006026593
1634.479968	169.206599	3.81876E-06	0.006241682
1634.519968	158.127374	3.56871E-06	0.005833135
1634.559968	128.333804	2.89632E-06	0.004734201
1634.599968	107.330494	2.4223E-06	0.003959491
1634.639968	112.303342	2.53453E-06	0.004143044
1634.679968	117.955118	2.66208E-06	0.004351653
1634.719968	124.958958	2.82015E-06	0.004610155
1634.759968	134.621912	3.03823E-06	0.004966775
1634.799968	150.491346	3.39638E-06	0.005552402
1634.839968	155.266574	3.50415E-06	0.005728725
1634.879968	134.777368	3.04174E-06	0.004972876

1634.919968	115.424617	2.60497E-06	0.004258922
1634.959968	112.129183	2.5306E-06	0.004137429
1634.999968	124.900023	2.81882E-06	0.00460877
1635.039968	133.041818	3.00257E-06	0.00490932
1635.079968	131.165716	2.96023E-06	0.004840209
1635.119968	147.206272	3.32224E-06	0.005432262
1635.159968	152.351875	3.43837E-06	0.005622284
1635.199968	138.751626	3.13143E-06	0.005120516
1635.239968	144.859254	3.26927E-06	0.005346044
1635.279968	133.838491	3.02055E-06	0.004939442
1635.319968	145.630926	3.28669E-06	0.005374785
1635.359968	155.956566	3.51972E-06	0.005756013
1635.399968	149.31581	3.36985E-06	0.005511052
1635.439968	141.567563	3.19498E-06	0.005225202
1635.479968	145.798503	3.29047E-06	0.005381496
1635.519968	155.690842	3.51373E-06	0.005746768
1635.559968	153.319	3.4602E-06	0.005659359
1635.599968	141.693377	3.19782E-06	0.005230358
1635.639968	117.696852	2.65625E-06	0.004344675
1635.679968	105.615454	2.38359E-06	0.003898796
1635.719968	118.669934	2.67822E-06	0.00438081
1635.759968	131.235418	2.9618E-06	0.004844795
1635.799968	130.194011	2.9383E-06	0.004806467
1635.839968	139.293031	3.14365E-06	0.005142508
1635.879968	132.264878	2.98503E-06	0.004883157
1635.919968	122.16497	2.75709E-06	0.004510384
1635.959968	117.307035	2.64746E-06	0.004331133
1635.999968	113.36898	2.55858E-06	0.004185837
1636.039968	115.904069	2.61579E-06	0.004279543
1636.079968	131.212847	2.96129E-06	0.004844909
1636.119968	127.098593	2.86844E-06	0.004693109
1636.159968	121.427053	2.74044E-06	0.004483797
1636.199968	131.347108	2.96432E-06	0.004850222
1636.239968	137.352764	3.09986E-06	0.005072116
1636.279968	148.346378	3.34797E-06	0.005478218
1636.319968	156.108301	3.52315E-06	0.005764996
1636.359968	136.719519	3.08557E-06	0.005049102
1636.399968	121.975653	2.75282E-06	0.004504716
1636.439968	120.920903	2.72902E-06	0.004465871
1636.479968	116.327064	2.62534E-06	0.004296316
1636.519968	106.139633	2.39542E-06	0.003920159
1636.559968	105.56595	2.38248E-06	0.003899066
1636.599968	123.518737	2.78765E-06	0.004562261
1636.639968	126.506167	2.85507E-06	0.004672718
1636.679968	132.604133	2.99269E-06	0.004898077
1636.719968	141.810767	3.20047E-06	0.005238276

1636.759968	139.230028	3.14223E-06	0.005143073
1636.799968	126.418179	2.85308E-06	0.004669925
1636.839968	114.156219	2.57635E-06	0.004217068
1636.879968	107.471808	2.42549E-06	0.003970234
1636.919968	117.448633	2.65065E-06	0.004338905
1636.959968	116.52068	2.62971E-06	0.004304729
1636.999968	121.154217	2.73428E-06	0.004476019
1637.039968	132.503963	2.99043E-06	0.004895453
1637.079968	137.7687	3.10925E-06	0.005090087
1637.119968	144.925596	3.27077E-06	0.005354641
1637.159968	140.961382	3.1813E-06	0.0052083
1637.199968	155.231626	3.50336E-06	0.005735703
1637.239968	166.04968	3.74751E-06	0.006135573
1637.279968	173.803382	3.9225E-06	0.006422231
1637.319968	177.015272	3.99499E-06	0.006541074
1637.359968	164.721643	3.71754E-06	0.006086948
1637.399968	155.159438	3.50173E-06	0.005733737
1637.439968	134.024247	3.02474E-06	0.004952831
1637.479968	119.015754	2.68602E-06	0.004398304
1637.519968	104.8528	2.36638E-06	0.003874997
1637.559968	104.981751	2.36929E-06	0.003879858
1637.599968	123.94124	2.79718E-06	0.004580664
1637.639968	124.169415	2.80233E-06	0.004589209
1637.679968	125.368556	2.82939E-06	0.004633641
1637.719968	131.171612	2.96036E-06	0.004848242
1637.759968	124.252239	2.8042E-06	0.004592606
1637.799968	127.633001	2.8805E-06	0.004717681
1637.839968	138.266574	3.12048E-06	0.005110853
1637.879968	145.016598	3.27282E-06	0.005360491
1637.919968	149.003993	3.36281E-06	0.005508018
1637.959968	146.270297	3.30112E-06	0.005407097
1637.999968	141.0878	3.18416E-06	0.005215646
1638.039968	145.226839	3.27757E-06	0.005368787
1638.079968	156.448208	3.53082E-06	0.005783762
1638.119968	158.267334	3.57187E-06	0.005851157
1638.159968	155.970435	3.52004E-06	0.005766381
1638.199968	157.812347	3.5616E-06	0.005834621
1638.239968	161.173071	3.63745E-06	0.005959019
1638.279968	189.449581	4.27561E-06	0.007004651
1638.319968	200.693967	4.52938E-06	0.007420579
1638.359968	184.975424	4.17464E-06	0.006839559
1638.399968	165.553835	3.73632E-06	0.006121586
1638.439968	150.766321	3.40259E-06	0.005574933
1638.479968	146.837818	3.31393E-06	0.0054298
1638.519968	142.683608	3.22017E-06	0.005276313
1638.559968	145.0222	3.27295E-06	0.005362923

1638.599968	149.02488	3.36328E-06	0.005511077
1638.639968	144.058419	3.2512E-06	0.005327543
1638.679968	153.711781	3.46906E-06	0.00568468
1638.719968	170.220053	3.84163E-06	0.006295355
1638.759968	173.362925	3.91256E-06	0.006411746
1638.799968	177.543932	4.00692E-06	0.006566539
1638.839968	184.934812	4.17372E-06	0.006840061
1638.879968	184.506149	4.16405E-06	0.006824373
1638.919968	189.115034	4.26806E-06	0.006995014
1638.959968	184.533762	4.16467E-06	0.006825727
1638.999968	188.627056	4.25705E-06	0.006977305
1639.039968	219.582348	4.95567E-06	0.008122537
1639.079968	261.886192	5.91041E-06	0.009687629
1639.119968	283.7677	6.40424E-06	0.010497321
1639.159968	294.350384	6.64308E-06	0.010889068
1639.199968	311.294255	7.02548E-06	0.011516163
1639.239968	350.610221	7.91278E-06	0.012970952
1639.279968	427.236349	9.64213E-06	0.015806149
1639.319968	497.667509	1.12317E-05	0.018412289
1639.359968	545.742288	1.23166E-05	0.020191412
1639.399968	530.407055	1.19705E-05	0.019624517
1639.439968	481.955174	1.08771E-05	0.017832282
1639.479968	435.906895	9.83781E-06	0.016128895
1639.519968	379.515559	8.56514E-06	0.014042714
1639.559968	314.929622	7.10752E-06	0.01165321
1639.599968	245.389514	5.5381E-06	0.009080268
1639.639968	197.388236	4.45478E-06	0.007304231
1639.679968	165.053367	3.72502E-06	0.006107848
1639.719968	152.611388	3.44423E-06	0.005647567
1639.759968	161.178622	3.63758E-06	0.005964753
1639.799968	168.180475	3.7956E-06	0.006224023
1639.839968	161.622019	3.64758E-06	0.005981454
1639.879968	160.310994	3.618E-06	0.005933079
1639.919968	172.210384	3.88655E-06	0.006373628
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1639.999968	187.027442	4.22095E-06	0.006922356
1640.039968	193.764663	4.373E-06	0.007171892
1640.079968	198.945722	4.48993E-06	0.007363841
1640.119968	224.256479	5.06116E-06	0.008300904
1640.159968	250.957568	5.66376E-06	0.009289477
1640.199968	277.11178	6.25403E-06	0.010257855
1640.239968	314.58713	7.09979E-06	0.011645365
1640.279968	352.814452	7.96253E-06	0.01306078
1640.319968	351.546542	7.93392E-06	0.01301416
1640.359968	331.691602	7.48582E-06	0.012279435
1640.399968	351.77397	7.93905E-06	0.013023215

1640.439968	358.913228	8.10017E-06	0.013287845
1640.479968	320.391841	7.2308E-06	0.011861979
1640.519968	291.83467	6.5863E-06	0.01080496
1640.559968	247.186615	5.57866E-06	0.009152122
1640.599968	214.475914	4.84042E-06	0.007941197
1640.639968	195.001797	4.40092E-06	0.007220324
1640.679968	160.762883	3.62819E-06	0.005952706
1640.719968	153.214092	3.45783E-06	0.005673329
1640.759968	154.268269	3.48162E-06	0.005712503
1640.799968	170.795361	3.85461E-06	0.00632465
1640.839968	180.48035	4.07319E-06	0.006683453
1640.879968	161.707741	3.64952E-06	0.005988422
1640.919968	149.71905	3.37895E-06	0.005544587
1640.959968	153.675285	3.46824E-06	0.005691238
1640.999968	163.72196	3.69498E-06	0.006063456
1641.039968	163.548939	3.69107E-06	0.006057196
1641.079968	149.510874	3.37425E-06	0.005537418
1641.119968	164.890261	3.72134E-06	0.006107171
1641.159968	193.125469	4.35857E-06	0.007153115
1641.199968	207.482537	4.68259E-06	0.00768507
1641.239968	229.807995	5.18645E-06	0.008512203
1641.279968	249.715481	5.63573E-06	0.009249812
1641.319968	271.507595	6.12755E-06	0.010057267
1641.359968	273.58025	6.17433E-06	0.01013429
1641.399968	272.007046	6.13882E-06	0.010076259
1641.439968	263.943999	5.95685E-06	0.009777809
1641.479968	216.479964	4.88565E-06	0.008019699
1641.519968	181.398021	4.0939E-06	0.00672022
1641.559968	169.792122	3.83197E-06	0.006290411
1641.599968	160.781638	3.62862E-06	0.005956739
1641.639968	151.339958	3.41553E-06	0.005607074
1641.679968	138.62565	3.12859E-06	0.00513614
1641.719968	124.705844	2.81444E-06	0.004620518
1641.759968	135.761852	3.06396E-06	0.00503028
1641.799968	160.396378	3.61992E-06	0.005943189
1641.839968	163.459644	3.68906E-06	0.00605684
1641.879968	155.255268	3.5039E-06	0.005752975
1641.919968	161.335541	3.64112E-06	0.005978425
1641.959968	152.373823	3.43886E-06	0.005646479
1641.999968	132.856581	2.99839E-06	0.004923353
1642.039968	134.016679	3.02457E-06	0.004966464
1642.079968	156.573091	3.53364E-06	0.005802514
1642.119968	181.983308	4.10711E-06	0.006744367
1642.159968	183.549577	4.14246E-06	0.006802579
1642.199968	194.410635	4.38758E-06	0.007205279
1642.239968	207.121622	4.67445E-06	0.007676563

1642.279968	206.212696	4.65393E-06	0.007643061
1642.319968	191.87243	4.33029E-06	0.007111727
1642.359968	182.330315	4.11494E-06	0.006758215
1642.399968	165.52342	3.73563E-06	0.006135404
1642.439968	135.577887	3.0598E-06	0.005025544
1642.479968	130.746291	2.95076E-06	0.004846567
1642.519968	134.180218	3.02826E-06	0.004973979
1642.559968	128.070655	2.89038E-06	0.004747616
1642.599968	119.971822	2.7076E-06	0.004447499
1642.639968	123.227415	2.78107E-06	0.004568299
1642.679968	140.773276	3.17706E-06	0.005218887
1642.719968	146.044079	3.29601E-06	0.005414424
1642.759968	139.569806	3.1499E-06	0.005174523
1642.799968	126.131083	2.8466E-06	0.004676399
1642.839968	125.16265	2.82475E-06	0.004640607
1642.879968	140.360605	3.16774E-06	0.005204222
1642.919968	153.786485	3.47075E-06	0.005702159
1642.959968	163.251741	3.68436E-06	0.006053263
1642.999968	158.688806	3.58139E-06	0.005884216
1643.039968	149.953699	3.38425E-06	0.005560452
1643.079968	142.173146	3.20865E-06	0.005272068
1643.119968	148.05906	3.34149E-06	0.005490464
1643.159968	161.082742	3.63541E-06	0.005973565
1643.199968	164.864834	3.72077E-06	0.006113969
1643.239968	160.30653	3.6179E-06	0.00594507
1643.279968	151.842437	3.42687E-06	0.005631311
1643.319968	149.400626	3.37176E-06	0.005540887
1643.359968	159.421474	3.59792E-06	0.005912679
1643.399968	165.754072	3.74084E-06	0.006147694
1643.439968	174.100441	3.9292E-06	0.006457412
1643.479968	168.106602	3.79393E-06	0.006235251
1643.519968	138.218913	3.11941E-06	0.00512681
1643.559968	119.572091	2.69858E-06	0.004435271
1643.599968	106.407382	2.40147E-06	0.00394705
1643.639968	122.544031	2.76565E-06	0.00454573
1643.679968	123.820258	2.79445E-06	0.004593183
1643.719968	100.994602	2.27931E-06	0.003746543
1643.759968	96.94241	2.18786E-06	0.003596309
1643.799968	112.443939	2.5377E-06	0.004171476
1643.839968	118.066702	2.6646E-06	0.004380178
1643.879968	122.579125	2.76644E-06	0.004547695
1643.919968	127.33849	2.87385E-06	0.004724383
1643.959968	122.229816	2.75856E-06	0.004534957
1643.999968	123.787065	2.7937E-06	0.004592845
1644.039968	130.137384	2.93702E-06	0.004828577
1644.079968	144.2593	3.25573E-06	0.005352683

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1644.199968	133.376335	3.01012E-06	0.004949236
1644.239968	138.191732	3.11879E-06	0.005128047
1644.279968	141.684168	3.19761E-06	0.005257773
1644.319968	150.497214	3.39651E-06	0.005584953
1644.359968	164.815951	3.71967E-06	0.006116471
1644.399968	151.095448	3.41001E-06	0.005607427
1644.439968	134.190383	3.02849E-06	0.00498017
1644.479968	129.168139	2.91514E-06	0.004793898
1644.519968	120.014539	2.70856E-06	0.004454283
1644.559968	115.357488	2.60346E-06	0.004281543
1644.599968	106.827875	2.41096E-06	0.003965059
1644.639968	116.430169	2.62767E-06	0.004321566
1644.679968	128.011666	2.88904E-06	0.004751554
1644.719968	124.951478	2.81998E-06	0.004638079
1644.759968	119.012077	2.68594E-06	0.004417721
1644.799968	103.770446	2.34195E-06	0.003852047
1644.839968	109.008127	2.46016E-06	0.004046572
1644.879968	130.275875	2.94015E-06	0.004836186
1644.919968	143.947885	3.2487E-06	0.005343857
1644.959968	130.122195	2.93668E-06	0.004830716
1644.999968	125.348	2.82893E-06	0.004653589
1645.039968	149.363413	3.37092E-06	0.005545305
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1645.199968	150.440465	3.39523E-06	0.005585835
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1645.279968	145.114644	3.27504E-06	0.00538835
1645.319968	140.050573	3.16075E-06	0.005200439
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1645.399968	145.684726	3.2879E-06	0.005409913
1645.439968	140.051718	3.16077E-06	0.005200861
1645.479968	132.642851	2.99356E-06	0.00492585
1645.519968	113.828403	2.56895E-06	0.004227256
1645.559968	109.655462	2.47477E-06	0.004072384
1645.599968	118.827727	2.68178E-06	0.004413131
1645.639968	140.521486	3.17137E-06	0.00521894
1645.679968	135.470814	3.05739E-06	0.005031481
1645.719968	122.188109	2.75762E-06	0.004538263
1645.759968	125.608593	2.83481E-06	0.004665418
1645.799968	134.989487	3.04652E-06	0.00501397
1645.839968	132.00627	2.9792E-06	0.004903283
1645.879968	133.668964	3.01672E-06	0.004965163
1645.919968	140.789641	3.17743E-06	0.005229789

1645.959968	136.500326	3.08062E-06	0.005070581
1645.999968	151.536873	3.41998E-06	0.005629281
1646.039968	168.028654	3.79217E-06	0.006242068
1646.079968	181.689136	4.10047E-06	0.006749703
1646.119968	191.682132	4.326E-06	0.007121113
1646.159968	177.176995	3.99864E-06	0.006582398
1646.199968	173.128632	3.90727E-06	0.006432151
1646.239968	171.661641	3.87416E-06	0.006377804
1646.279968	175.199634	3.95401E-06	0.00650941
1646.319968	175.472736	3.96018E-06	0.006519716
1646.359968	176.805658	3.99026E-06	0.0065694
1646.399968	161.388801	3.64232E-06	0.005996716
1646.439968	145.683394	3.28787E-06	0.005413283
1646.479968	142.235917	3.21007E-06	0.00528531
1646.519968	145.022708	3.27296E-06	0.005388995
1646.559968	136.693545	3.08498E-06	0.005079609
1646.599968	131.090561	2.95853E-06	0.004871518
1646.639968	133.565215	3.01438E-06	0.0049636
1646.679968	141.65464	3.19695E-06	0.00526435
1646.719968	143.934078	3.24839E-06	0.005349191
1646.759968	134.230581	3.0294E-06	0.00498869
1646.799968	136.377049	3.07784E-06	0.005068587
1646.839968	153.081453	3.45484E-06	0.005689561
1646.879968	164.804646	3.71941E-06	0.006125424
1646.919968	156.638208	3.53511E-06	0.005822037
1646.959968	139.860622	3.15646E-06	0.005198562
1646.999968	134.308806	3.03116E-06	0.004992325
1647.039968	137.034228	3.09267E-06	0.005093754
1647.079968	143.03846	3.22818E-06	0.005317069
1647.119968	136.739487	3.08602E-06	0.005083045
1647.159968	136.733474	3.08588E-06	0.005082945
1647.199968	147.647102	3.33219E-06	0.005488782
1647.239968	148.196601	3.34459E-06	0.005509344
1647.279968	130.678626	2.94923E-06	0.004858215
1647.319968	115.856742	2.61473E-06	0.004307289
1647.359968	116.634594	2.63228E-06	0.004336313
1647.399968	131.459084	2.96685E-06	0.004887586
1647.439968	147.742058	3.33433E-06	0.005493113
1647.479968	135.5372	3.05889E-06	0.005039453
1647.519968	117.563474	2.65324E-06	0.004371272
1647.559968	108.529614	2.44936E-06	0.004035471
1647.599968	110.847563	2.50168E-06	0.00412176
1647.639968	136.040807	3.07025E-06	0.005058669
1647.679968	141.760196	3.19933E-06	0.005271472
1647.719968	142.218102	3.20966E-06	0.005288628
1647.759968	149.788344	3.38051E-06	0.005570276

1647.799968	160.695124	3.62667E-06	0.005976019
1647.839968	184.831174	4.17138E-06	0.00687377
1647.879968	195.907383	4.42136E-06	0.007285865
1647.919968	191.041209	4.31153E-06	0.007105063
1647.959968	171.859539	3.87863E-06	0.006391828
1647.999968	142.543789	3.21701E-06	0.00530164
1648.039968	137.118119	3.09456E-06	0.005099967
1648.079968	146.126877	3.29788E-06	0.00543517
1648.119968	143.472627	3.23798E-06	0.005336575
1648.159968	147.841818	3.33658E-06	0.005499224
1648.199968	155.735718	3.51474E-06	0.005792991
1648.239968	149.039832	3.36362E-06	0.005544055
1648.279968	151.210336	3.41261E-06	0.005624931
1648.319968	158.789937	3.58367E-06	0.005907031
1648.359968	151.934891	3.42896E-06	0.005652159
1648.399968	137.974679	3.1139E-06	0.005132947
1648.439968	134.283028	3.03058E-06	0.004995731
1648.479968	142.760947	3.22192E-06	0.005311264
1648.519968	149.957905	3.38434E-06	0.005579154
1648.559968	150.411522	3.39458E-06	0.005596166
1648.599968	141.810644	3.20047E-06	0.005276293
1648.639968	130.469486	2.94451E-06	0.004854444
1648.679968	117.740581	2.65724E-06	0.00438094
1648.719968	105.02028	2.37016E-06	0.003907732
1648.759968	98.047079	2.21279E-06	0.003648353
1648.799968	97.534087	2.20121E-06	0.003629352
1648.839968	119.111466	2.68818E-06	0.004432378
1648.879968	134.041889	3.02514E-06	0.004988091
1648.919968	142.641681	3.21922E-06	0.005308243
1648.959968	139.404479	3.14616E-06	0.0051879
1648.999968	134.42231	3.03372E-06	0.005002611
1649.039968	126.690283	2.85922E-06	0.004714973
1649.079968	127.445221	2.87626E-06	0.004743185
1649.119968	123.166514	2.7797E-06	0.004584053
1649.159968	144.918852	3.27062E-06	0.00539377
1649.199968	156.955136	3.54226E-06	0.005841893
1649.239968	153.427145	3.46264E-06	0.005710719
1649.279968	142.962807	3.22647E-06	0.005321355
1649.319968	123.075911	2.77765E-06	0.004581237
1649.359968	137.304787	3.09878E-06	0.005111
1649.399968	148.214845	3.345E-06	0.005517247
1649.439968	134.113272	3.02675E-06	0.004992442
1649.479968	121.587191	2.74405E-06	0.004526261
1649.519968	112.260949	2.53357E-06	0.00417918
1649.559968	115.296437	2.60208E-06	0.004292287
1649.599968	122.849188	2.77254E-06	0.004573574

1649.639968	121.114798	2.73339E-06	0.004509113
1649.679968	129.380588	2.91994E-06	0.004816966
1649.719968	138.223378	3.11951E-06	0.005146316
1649.759968	130.354681	2.94192E-06	0.004853468
1649.799968	131.195356	2.9609E-06	0.004884887
1649.839968	144.01799	3.25029E-06	0.005362451
1649.879968	143.411888	3.23661E-06	0.005340012
1649.919968	120.72868	2.72468E-06	0.004495501
1649.959968	101.614035	2.29329E-06	0.003783832
1649.999968	93.0551	2.10012E-06	0.003465205
1650.039968	105.119065	2.37239E-06	0.00391454
1650.079968	130.963469	2.95566E-06	0.00487708
1650.119968	141.597999	3.19567E-06	0.005273238
1650.159968	129.161939	2.91501E-06	0.004810225
1650.199968	140.096393	3.16178E-06	0.00521757
1650.239968	147.55465	3.3301E-06	0.005495469
1650.279968	134.559153	3.03681E-06	0.005011591
1650.319968	134.127886	3.02708E-06	0.00499565
1650.359968	165.423414	3.73338E-06	0.006161414
1650.399968	193.055998	4.357E-06	0.007190801
1650.439968	182.259292	4.11334E-06	0.006788818
1650.479968	151.305998	3.41477E-06	0.005636002
1650.519968	126.7037	2.85953E-06	0.004719705
1650.559968	115.922368	2.61621E-06	0.004318206
1650.599968	113.651676	2.56496E-06	0.004233723
1650.639968	107.217503	2.41975E-06	0.003994136
1650.679968	101.935471	2.30054E-06	0.003797458
1650.719968	93.364064	2.1071E-06	0.003478227
1650.759968	91.559783	2.06638E-06	0.003411092
1650.799968	110.182928	2.48668E-06	0.004105003
1650.839968	128.519742	2.90051E-06	0.00478828
1650.879968	131.407058	2.96567E-06	0.004895972
1650.919968	130.707331	2.94988E-06	0.00487002
1650.959968	135.410445	3.05603E-06	0.005045375
1650.999968	123.355729	2.78397E-06	0.004596329
1651.039968	104.510529	2.35866E-06	0.003894237
1651.079968	100.228123	2.26201E-06	0.003734758
1651.119968	105.604968	2.38336E-06	0.003935208
1651.159968	112.66045	2.54259E-06	0.004198222
1651.199968	135.216487	3.05165E-06	0.005038881
1651.239968	152.651737	3.44514E-06	0.005688748
1651.279968	151.123653	3.41065E-06	0.005631939
1651.319968	150.939669	3.4065E-06	0.005625218
1651.359968	170.234842	3.84196E-06	0.006344464
1651.399968	170.259322	3.84252E-06	0.00634553
1651.439968	153.081555	3.45484E-06	0.005705457

1651.479968	139.516963	3.1487E-06	0.005200021
1651.519968	131.110595	2.95898E-06	0.00488682
1651.559968	133.793193	3.01953E-06	0.004986928
1651.599968	132.857001	2.9984E-06	0.004952153
1651.639968	126.275346	2.84986E-06	0.00470694
1651.679968	116.004464	2.61806E-06	0.004324196
1651.719968	102.342014	2.30972E-06	0.003815005
1651.759968	113.112832	2.5528E-06	0.004216611
1651.799968	135.978238	3.06884E-06	0.005069109
1651.839968	144.257461	3.25569E-06	0.005377879
1651.879968	123.199516	2.78044E-06	0.004592956
1651.919968	119.638924	2.70008E-06	0.004460322
1651.959968	118.316301	2.67023E-06	0.00441112
1651.999968	126.281848	2.85001E-06	0.004708209
1652.039968	135.750664	3.0637E-06	0.00506136
1652.079968	123.838031	2.79485E-06	0.004617319
1652.119968	126.379276	2.8522E-06	0.004712184
1652.159968	135.463389	3.05722E-06	0.005051017
1652.199968	126.722347	2.85995E-06	0.004725204
1652.239968	111.957852	2.52673E-06	0.004174769
1652.279968	100.035316	2.25766E-06	0.003730283
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1652.359968	130.105333	2.9363E-06	0.004851818
1652.399968	136.80214	3.08743E-06	0.005101675
1652.439968	139.010577	3.13728E-06	0.005184159
1652.479968	131.085308	2.95841E-06	0.004888718
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1652.639968	140.042896	3.16057E-06	0.005223289
1652.679968	140.663183	3.17457E-06	0.005246552
1652.719968	148.820624	3.35867E-06	0.005550948
1652.759968	167.209333	3.77368E-06	0.00623699
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1652.839968	151.335626	3.41543E-06	0.005645166
1652.879968	146.227635	3.30015E-06	0.005454759
1652.919968	144.387538	3.25863E-06	0.005386247
1652.959968	130.548728	2.9463E-06	0.004870121
1652.999968	112.04898	2.52879E-06	0.004180089
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1653.119968	134.381626	3.03281E-06	0.005013592
1653.159968	139.434107	3.14683E-06	0.005202219
1653.199968	148.355148	3.34817E-06	0.005535193
1653.239968	154.237269	3.48092E-06	0.005754797
1653.279968	157.183248	3.54741E-06	0.005864857

1653.319968	157.97924	3.56537E-06	0.0058947
1653.359968	157.975273	3.56528E-06	0.005894694
1653.399968	158.27105	3.57196E-06	0.005905874
1653.439968	154.525135	3.48742E-06	0.005766235
1653.479968	141.169032	3.18599E-06	0.005267968
1653.519968	140.043273	3.16058E-06	0.005226085
1653.559968	147.081352	3.31942E-06	0.005488862
1653.599968	129.213111	2.91616E-06	0.004822162
1653.639968	108.822388	2.45597E-06	0.00406129
1653.679968	100.561585	2.26953E-06	0.003753084
1653.719968	92.775566	2.09382E-06	0.003462584
1653.759968	108.38414	2.44608E-06	0.004045228
1653.799968	119.51694	2.69733E-06	0.004460846
1653.839968	114.689226	2.58838E-06	0.00428076
1653.879968	112.257969	2.53351E-06	0.004190115
1653.919968	115.951734	2.61687E-06	0.004328092
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1653.999968	142.682614	3.22015E-06	0.005326124
1654.039967	146.703492	3.31089E-06	0.00547635
1654.079967	158.452347	3.57605E-06	0.005915071
1654.119967	144.920458	3.27065E-06	0.005410052
1654.159967	115.646586	2.60998E-06	0.004317328
1654.199967	113.702366	2.5661E-06	0.004244849
1654.239967	129.029455	2.91202E-06	0.004817172
1654.279967	129.872949	2.93105E-06	0.00484878
1654.319967	120.014582	2.70856E-06	0.004480828
1654.359967	118.754529	2.68012E-06	0.00443389
1654.399967	111.303485	2.51196E-06	0.004155794
1654.439967	104.12656	2.34999E-06	0.00388792
1654.479967	114.144664	2.57609E-06	0.004262083
1654.519967	121.733412	2.74735E-06	0.004545551
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1654.599967	94.690062	2.13702E-06	0.003535918
1654.639967	109.071928	2.4616E-06	0.004073064
1654.679967	118.111968	2.66562E-06	0.004410752
1654.719967	115.429453	2.60508E-06	0.004310681
1654.759967	128.59094	2.90212E-06	0.004802309
1654.799967	127.646111	2.88079E-06	0.004767139
1654.839967	111.58673	2.51836E-06	0.004167478
1654.879967	111.487409	2.51612E-06	0.004163869
1654.919967	124.115421	2.80111E-06	0.004635616
1654.959967	132.43225	2.98881E-06	0.004946363
1654.999967	135.566071	3.05954E-06	0.005063534
1655.039967	135.526378	3.05864E-06	0.005062174
1655.079967	139.246955	3.14261E-06	0.005201271
1655.119967	139.685102	3.1525E-06	0.005217763

1655.159967	132.390503	2.98787E-06	0.004945402
1655.199967	155.907438	3.51861E-06	0.005824009
1655.239967	169.370055	3.82245E-06	0.006327066
1655.279967	158.800733	3.58391E-06	0.005932377
1655.319967	140.162037	3.16326E-06	0.005236211
1655.359967	127.875279	2.88597E-06	0.004777314
1655.399967	133.194602	3.00602E-06	0.00497616
1655.439967	129.435883	2.92119E-06	0.004835851
1655.479967	135.474283	3.05747E-06	0.005061573
1655.519967	133.421084	3.01113E-06	0.004984983
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1655.599967	111.7838	2.5228E-06	0.004176755
1655.639967	111.345831	2.51292E-06	0.004160491
1655.679967	117.216275	2.64541E-06	0.004379949
1655.719967	113.92944	2.57123E-06	0.004257235
1655.759967	118.553965	2.6756E-06	0.004430148
1655.799967	124.032676	2.79924E-06	0.004634989
1655.839967	121.774919	2.74829E-06	0.004550729
1655.879967	129.530297	2.92332E-06	0.004840664
1655.919967	133.584463	3.01482E-06	0.004992293
1655.959967	143.107078	3.22973E-06	0.005348299
1655.999967	149.091355	3.36478E-06	0.005572083
1656.039967	146.479654	3.30584E-06	0.005474606
1656.079967	131.449587	2.96663E-06	0.004912983
1656.119967	119.016656	2.68604E-06	0.004448405
1656.159967	120.488203	2.71925E-06	0.004503515
1656.199967	139.372022	3.14543E-06	0.005209465
1656.239967	143.115416	3.22992E-06	0.005349515
1656.279967	132.435556	2.98889E-06	0.004950432
1656.319967	135.152947	3.05021E-06	0.00505213
1656.359967	164.541702	3.71348E-06	0.006150855
1656.399967	155.768415	3.51548E-06	0.005823035
1656.439967	144.274276	3.25607E-06	0.005393484
1656.479967	147.637705	3.33198E-06	0.005519354
1656.519967	131.807007	2.9747E-06	0.004927651
1656.559967	104.707362	2.3631E-06	0.003914616
1656.599967	93.037316	2.09972E-06	0.0034784
1656.639967	117.299699	2.64729E-06	0.004385608
1656.679967	134.336294	3.03178E-06	0.005022694
1656.719967	126.51531	2.85527E-06	0.00473039
1656.759967	118.130329	2.66604E-06	0.004416983
1656.799967	112.871366	2.54735E-06	0.004220449
1656.839967	108.195183	2.44181E-06	0.004045696
1656.879967	114.733659	2.58938E-06	0.00429029
1656.919967	125.132316	2.82406E-06	0.004679245
1656.959967	140.637799	3.174E-06	0.00525919

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1657.079967	133.022674	3.00214E-06	0.00497478
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1657.159967	148.0746	3.34184E-06	0.005537959
1657.199967	148.848417	3.3593E-06	0.005567034
1657.239967	154.063656	3.477E-06	0.005762227
1657.279967	159.742597	3.60517E-06	0.005974773
1657.319967	162.397337	3.66508E-06	0.006074213
1657.359967	150.483045	3.39619E-06	0.005628714
1657.399967	133.44659	3.0117E-06	0.004991598
1657.439967	126.877266	2.86344E-06	0.004745985
1657.479967	118.069789	2.66467E-06	0.004416638
1657.519967	119.548426	2.69804E-06	0.004472058
1657.559967	108.949356	2.45884E-06	0.004075667
1657.599967	90.995875	2.05365E-06	0.00340413
1657.639967	90.349264	2.03906E-06	0.003380022
1657.679967	99.031696	2.23501E-06	0.003704927
1657.719967	105.711844	2.38577E-06	0.003954937
1657.759967	117.249275	2.64615E-06	0.004386686
1657.799967	121.949212	2.75222E-06	0.004562637
1657.839967	130.991952	2.95631E-06	0.004901082
1657.879967	154.016809	3.47594E-06	0.005762699
1657.919967	154.155418	3.47907E-06	0.005768025
1657.959967	145.628213	3.28663E-06	0.005449094
1657.999967	134.52763	3.0361E-06	0.005033856
1658.039967	115.719169	2.61162E-06	0.004330171
1658.079967	106.057293	2.39357E-06	0.003968723
1658.119967	106.965854	2.41407E-06	0.004002818
1658.159967	112.696881	2.54341E-06	0.004217383
1658.199967	121.65786	2.74565E-06	0.004552834
1658.239967	125.723368	2.8374E-06	0.004705092
1658.279967	135.285799	3.05321E-06	0.00506308
1658.319967	147.41918	3.32705E-06	0.005517306
1658.359967	160.70042	3.62678E-06	0.006014514
1658.399967	138.473761	3.12516E-06	0.005182765
1658.439967	111.586197	2.51835E-06	0.004176524
1658.479967	103.878603	2.3444E-06	0.003888133
1658.519967	96.762544	2.1838E-06	0.003621869
1658.559967	101.279702	2.28574E-06	0.00379104
1658.599967	113.197919	2.55472E-06	0.004237257
1658.639967	120.378692	2.71678E-06	0.004506159
1658.679967	123.438028	2.78582E-06	0.004620791
1658.719967	120.724439	2.72458E-06	0.004519319
1658.759967	114.615516	2.58671E-06	0.004290735
1658.799967	106.026419	2.39287E-06	0.00396929

1658.839967	117.666916	2.65558E-06	0.00440518
1658.879967	129.582187	2.92449E-06	0.004851377
1658.919967	140.170841	3.16346E-06	0.005247928
1658.959967	143.754398	3.24434E-06	0.005382224
1658.999967	119.427581	2.69531E-06	0.004471526
1659.039967	112.695941	2.54339E-06	0.004219586
1659.079967	109.202702	2.46455E-06	0.00408889
1659.119967	110.065012	2.48401E-06	0.004121277
1659.159967	127.010432	2.86645E-06	0.004755897
1659.199967	151.592893	3.42124E-06	0.005676522
1659.239967	144.95029	3.27133E-06	0.005427915
1659.279967	134.879112	3.04403E-06	0.005050904
1659.319967	135.655638	3.06156E-06	0.005080106
1659.359967	149.168997	3.36654E-06	0.005586296
1659.399967	151.328611	3.41528E-06	0.005667309
1659.439967	139.806083	3.15523E-06	0.005235912
1659.479967	139.735611	3.15364E-06	0.005233399
1659.519967	125.222874	2.82611E-06	0.004689979
1659.559967	117.761155	2.65771E-06	0.004410621
1659.599967	119.765952	2.70295E-06	0.004485817
1659.639967	105.105698	2.37209E-06	0.003936814
1659.679967	95.623896	2.1581E-06	0.003581752
1659.719967	106.011205	2.39253E-06	0.003970922
1659.759967	111.991752	2.5275E-06	0.00419504
1659.799967	113.542529	2.5625E-06	0.004253232
1659.839967	105.666954	2.38476E-06	0.003958313
1659.879967	119.161915	2.68932E-06	0.004463946
1659.919967	134.506721	3.03563E-06	0.005038902
1659.959967	122.546988	2.76571E-06	0.004590976
1659.999967	113.99882	2.57279E-06	0.004270839
1660.039967	103.790318	2.3424E-06	0.003888482
1660.079967	101.544745	2.29172E-06	0.003804444
1660.119967	101.155625	2.28294E-06	0.003789957
1660.159967	114.446398	2.5829E-06	0.00428802
1660.199967	139.31968	3.14425E-06	0.005220086
1660.239967	144.585377	3.26309E-06	0.005417513
1660.279967	142.20254	3.20931E-06	0.005328359
1660.319967	142.583718	3.21792E-06	0.00534277
1660.359967	148.510881	3.35168E-06	0.005565001
1660.399967	153.704522	3.4689E-06	0.005759756
1660.439967	131.226824	2.96161E-06	0.00491757
1660.479967	123.693652	2.79159E-06	0.004635385
1660.519967	128.228396	2.89394E-06	0.004805439
1660.559967	128.023888	2.88932E-06	0.004797891
1660.599967	123.377156	2.78445E-06	0.004623859
1660.639967	120.380932	2.71683E-06	0.004511676

1660.679967	119.575725	2.69866E-06	0.004481607
1660.719967	125.652653	2.83581E-06	0.004709479
1660.759967	120.504637	2.71962E-06	0.004516639
1660.799967	112.544691	2.53998E-06	0.004218394
1660.839967	112.289885	2.53423E-06	0.004208944
1660.879967	111.530274	2.51708E-06	0.004180573
1660.919967	94.977921	2.14352E-06	0.003560214
1660.959967	88.782838	2.0037E-06	0.003328074
1660.999967	102.430955	2.31172E-06	0.003839773
1661.039967	132.420084	2.98854E-06	0.004964079
1661.079967	140.473461	3.17029E-06	0.005266106
1661.119967	138.490157	3.12553E-06	0.00519188
1661.159967	164.895625	3.72146E-06	0.006181948
1661.199967	182.311168	4.11451E-06	0.006835022
1661.239967	181.306934	4.09184E-06	0.006797536
1661.279967	166.351502	3.75432E-06	0.006236979
1661.319967	158.074205	3.56751E-06	0.005926783
1661.359967	163.540144	3.69087E-06	0.006131869
1661.399967	180.195722	4.06677E-06	0.006756526
1661.439967	177.000853	3.99466E-06	0.006636892
1661.479967	160.360226	3.61911E-06	0.006013074
1661.519967	141.45753	3.1925E-06	0.005304402
1661.559967	139.711368	3.15309E-06	0.00523905
1661.599967	151.204997	3.41249E-06	0.005670187
1661.639967	146.53008	3.30698E-06	0.00549501
1661.679967	136.362816	3.07752E-06	0.005113851
1661.719967	139.862954	3.15651E-06	0.005245239
1661.759967	132.245014	2.98459E-06	0.004959665
1661.799967	116.636658	2.63233E-06	0.004374401
1661.839967	125.556422	2.83363E-06	0.004709046
1661.879967	149.352478	3.37068E-06	0.005601661
1661.919967	140.906177	3.18006E-06	0.005284999
1661.959967	115.259635	2.60125E-06	0.004323172
1661.999967	123.495559	2.78712E-06	0.004632198
1662.039967	142.957179	3.22634E-06	0.005362313
1662.079967	144.837812	3.26879E-06	0.005432987
1662.119967	127.556965	2.87878E-06	0.004784883
1662.159967	122.708658	2.76936E-06	0.004603125
1662.199967	131.62625	2.97062E-06	0.004937766
1662.239967	140.720811	3.17587E-06	0.005279063
1662.279967	142.929095	3.22571E-06	0.005362034
1662.319967	147.787806	3.33536E-06	0.005544444
1662.359967	150.909019	3.40581E-06	0.005661676
1662.399967	156.771958	3.53812E-06	0.005881778
1662.439967	157.523157	3.55508E-06	0.005910104
1662.479967	154.27938	3.48187E-06	0.00578854

1662.519967	137.994796	3.11435E-06	0.00517767
1662.559967	134.836237	3.04307E-06	0.00505928
1662.599967	141.629364	3.19638E-06	0.005314297
1662.639967	139.482043	3.14792E-06	0.00523385
1662.679967	151.377459	3.41638E-06	0.005680344
1662.719967	151.905568	3.4283E-06	0.005700298
1662.759967	132.116177	2.98168E-06	0.004957815
1662.799967	147.97319	3.33955E-06	0.005553002
1662.839967	136.766475	3.08663E-06	0.00513257
1662.879967	123.028012	2.77657E-06	0.004617104
1662.919967	143.337666	3.23493E-06	0.005379432
1662.959967	142.66117	3.21966E-06	0.005354172
1662.999967	117.645454	2.65509E-06	0.004415421
1663.039967	106.519526	2.404E-06	0.003997944
1663.079967	110.812576	2.50089E-06	0.004159173
1663.119967	129.255209	2.91711E-06	0.004851504
1663.159967	144.375111	3.25835E-06	0.005419149
1663.199967	162.909044	3.67663E-06	0.006114971
1663.239967	176.504252	3.98346E-06	0.006625442
1663.279967	177.859675	4.01405E-06	0.006676481
1663.319967	158.693063	3.58148E-06	0.00595715
1663.359967	155.972682	3.52009E-06	0.00585517
1663.399967	144.490185	3.26094E-06	0.005424251
1663.439967	134.4139	3.03353E-06	0.005046103
1663.479967	129.564249	2.92408E-06	0.004864156
1663.519967	124.537341	2.81063E-06	0.004675546
1663.559967	114.262079	2.57874E-06	0.004289882
1663.599967	97.359094	2.19726E-06	0.00365536
1663.639967	97.916063	2.20983E-06	0.00367636
1663.679967	95.952698	2.16552E-06	0.00360273
1663.719967	96.848215	2.18573E-06	0.003636442
1663.759967	122.828172	2.77206E-06	0.004612044
1663.799967	137.778468	3.10947E-06	0.005173533
1663.839967	126.551966	2.8561E-06	0.004752096
1663.879967	138.355117	3.12248E-06	0.005195436
1663.919967	155.078922	3.49992E-06	0.005823579
1663.959967	144.347172	3.25771E-06	0.005420707
1663.999967	132.771595	2.99647E-06	0.004986126
1664.039967	119.580175	2.69876E-06	0.004490841
1664.079967	113.757524	2.56735E-06	0.004272274
1664.119967	109.207774	2.46467E-06	0.004101502
1664.159967	106.317858	2.39945E-06	0.003993062
1664.199967	104.397568	2.35611E-06	0.003921034
1664.239967	120.321174	2.71548E-06	0.004519213
1664.279967	150.503611	3.39666E-06	0.005652988
1664.319967	168.817885	3.80998E-06	0.006341033

1664.359967	177.056216	3.99591E-06	0.006650636
1664.399967	168.334247	3.79907E-06	0.006323171
1664.439967	150.226168	3.3904E-06	0.00564311
1664.479967	151.466978	3.4184E-06	0.005689856
1664.519967	153.760333	3.47016E-06	0.005776145
1664.559967	132.415796	2.98844E-06	0.004974438
1664.599967	115.79051	2.61323E-06	0.004349983
1664.639967	106.952032	2.41376E-06	0.004018039
1664.679967	92.174878	2.08026E-06	0.003462965
1664.719967	90.605406	2.04484E-06	0.003404082
1664.759967	104.034149	2.34791E-06	0.0039087
1664.799967	124.053042	2.7997E-06	0.004660948
1664.839967	116.143258	2.62119E-06	0.004363864
1664.879967	99.747941	2.25117E-06	0.003747931
1664.919967	100.997466	2.27937E-06	0.003794972
1664.959967	104.752267	2.36411E-06	0.003936153
1664.999967	107.768921	2.43219E-06	0.004049604
1665.039967	117.71021	2.65656E-06	0.004423271
1665.079967	133.492169	3.01273E-06	0.00501644
1665.119967	129.069982	2.91293E-06	0.004850377
1665.159967	129.743358	2.92813E-06	0.0048758
1665.199967	150.329172	3.39272E-06	0.005649557
1665.239967	151.772682	3.4253E-06	0.005703943
1665.279967	130.98592	2.95617E-06	0.00492285
1665.319967	111.587605	2.51838E-06	0.004193903
1665.359967	118.654024	2.67786E-06	0.004459594
1665.399967	130.020858	2.93439E-06	0.004886932
1665.439967	130.290534	2.94048E-06	0.004897186
1665.479967	123.062708	2.77735E-06	0.004625627
1665.519967	118.852217	2.68233E-06	0.004467472
1665.559967	104.802515	2.36525E-06	0.00393946
1665.599967	92.298552	2.08305E-06	0.003469528
1665.639967	84.888629	1.91582E-06	0.003191063
1665.679967	92.761421	2.0935E-06	0.003487094
1665.719967	108.983359	2.4596E-06	0.004097009
1665.759967	130.522765	2.94572E-06	0.004906857
1665.799967	157.515859	3.55491E-06	0.005921775
1665.839967	170.830299	3.8554E-06	0.006422483
1665.879967	154.892465	3.49571E-06	0.005823429
1665.919967	135.33093	3.05423E-06	0.005088104
1665.959967	115.922208	2.6162E-06	0.004358489
1665.999967	120.03043	2.70892E-06	0.00451306
1666.039967	135.745008	3.06358E-06	0.00510404
1666.079967	142.512035	3.2163E-06	0.00535861
1666.119967	153.343257	3.46074E-06	0.005766014
1666.159967	143.605325	3.24097E-06	0.005399978

1666.199967	134.738259	3.04085E-06	0.005066672
1666.239967	131.931325	2.97751E-06	0.00496124
1666.279967	135.28737	3.05325E-06	0.005087565
1666.319967	139.202762	3.14161E-06	0.005234932
1666.359967	127.723956	2.88255E-06	0.004803369
1666.399967	131.009685	2.95671E-06	0.004927055
1666.439967	149.069545	3.36429E-06	0.005606391
1666.479967	146.073867	3.29668E-06	0.005493857
1666.519967	127.362186	2.87439E-06	0.004790224
1666.559967	115.230518	2.60059E-06	0.004334043
1666.599967	104.590332	2.36046E-06	0.003933939
1666.639967	92.985255	2.09855E-06	0.003497523
1666.679967	85.675911	1.93359E-06	0.003222669
1666.719967	90.742014	2.04792E-06	0.003413311
1666.759967	111.533106	2.51715E-06	0.00419548
1666.799967	117.205477	2.64516E-06	0.00440896
1666.839967	93.120833	2.10161E-06	0.003503043
1666.879967	75.765635	1.70992E-06	0.002850239
1666.919967	83.717258	1.88938E-06	0.003149448
1666.959967	107.175749	2.41881E-06	0.004032055
1666.999967	122.755579	2.77042E-06	0.004618294
1667.039967	110.539115	2.49471E-06	0.004158788
1667.079967	99.625872	2.24842E-06	0.003748291
1667.119967	98.093789	2.21384E-06	0.003690737
1667.159967	102.829982	2.32073E-06	0.003869027
1667.199967	127.745348	2.88303E-06	0.004806595
1667.239967	136.047014	3.07039E-06	0.00511908
1667.279967	135.663857	3.06174E-06	0.005104785
1667.319967	141.939094	3.20337E-06	0.005341039
1667.359967	135.911484	3.06733E-06	0.005114348
1667.399967	125.313557	2.82815E-06	0.004715661
1667.439967	115.03562	2.59619E-06	0.004328997
1667.479967	119.652136	2.70038E-06	0.004502833
1667.519967	132.273514	2.98523E-06	0.004977929
1667.559967	119.661345	2.70059E-06	0.004503396
1667.599967	107.733694	2.4314E-06	0.004054602
1667.639967	108.674963	2.45264E-06	0.004090125
1667.679967	109.495474	2.47116E-06	0.004121105
1667.719967	123.648732	2.79058E-06	0.004653905
1667.759967	133.252652	3.00733E-06	0.005015499
1667.799967	131.657268	2.97132E-06	0.004955569
1667.839967	120.387047	2.71697E-06	0.004531468
1667.879967	110.326469	2.48991E-06	0.004152879
1667.919967	118.587816	2.67636E-06	0.004463957
1667.959967	126.026194	2.84424E-06	0.004744071
1667.999967	119.63936	2.70009E-06	0.004503756

1668.039967	128.749258	2.90569E-06	0.004846809
1668.079967	135.175917	3.05073E-06	0.005088865
1668.119967	130.57154	2.94682E-06	0.004915646
1668.159967	133.95073	3.02308E-06	0.005042983
1668.199967	128.850029	2.90797E-06	0.004851068
1668.239967	125.224183	2.82614E-06	0.004714672
1668.279967	124.411006	2.80778E-06	0.004684168
1668.319967	131.8045	2.97464E-06	0.004962658
1668.359967	141.698184	3.19793E-06	0.005335299
1668.399967	144.205153	3.25451E-06	0.005429823
1668.439967	143.814482	3.24569E-06	0.005415243
1668.479967	133.039	3.0025E-06	0.005009619
1668.519967	127.484971	2.87716E-06	0.004800596
1668.559967	127.199473	2.87071E-06	0.00478996
1668.599967	117.368361	2.64884E-06	0.004419855
1668.639967	110.372799	2.49096E-06	0.004156516
1668.679967	124.102882	2.80083E-06	0.004673688
1668.719967	138.657083	3.1293E-06	0.005221921
1668.759967	135.08243	3.04862E-06	0.005087419
1668.799967	135.02467	3.04732E-06	0.005085365
1668.839967	135.218446	3.05169E-06	0.005092786
1668.879967	106.776467	2.4098E-06	0.00402166
1668.919967	87.043077	1.96444E-06	0.003278495
1668.959967	90.479416	2.04199E-06	0.003408007
1668.999967	110.693409	2.4982E-06	0.004169489
1669.039967	121.679351	2.74613E-06	0.004583407
1669.079967	132.217049	2.98395E-06	0.004980459
1669.119967	132.604334	2.9927E-06	0.004995167
1669.159967	113.924886	2.57113E-06	0.004291621
1669.199967	105.976226	2.39174E-06	0.003992285
1669.239967	127.586646	2.87945E-06	0.004806498
1669.279967	163.980604	3.70081E-06	0.006177694
1669.319967	173.334502	3.91192E-06	0.006530243
1669.359967	161.696871	3.64927E-06	0.006091951
1669.399967	146.57288	3.30795E-06	0.005522285
1669.439967	121.146577	2.73411E-06	0.004564432
1669.479967	106.814642	2.41066E-06	0.004024545
1669.519967	124.900007	2.81882E-06	0.004706075
1669.559967	128.544039	2.90106E-06	0.004843493
1669.599967	115.308302	2.60235E-06	0.00434488
1669.639967	103.556363	2.33712E-06	0.003902154
1669.679967	87.242477	1.96894E-06	0.003287502
1669.719967	85.621787	1.93236E-06	0.003226508
1669.759967	103.353156	2.33254E-06	0.003894777
1669.799967	117.364706	2.64876E-06	0.004422896
1669.839967	101.618492	2.29339E-06	0.003829591

1669.879967	92.902543	2.09668E-06	0.003501206
1669.919967	109.184598	2.46414E-06	0.004114924
1669.959967	112.243105	2.53317E-06	0.004230293
1669.999967	101.14635	2.28273E-06	0.003812163
1670.039967	99.942778	2.25557E-06	0.003766891
1670.079967	107.220805	2.41982E-06	0.0040413
1670.119967	134.644792	3.03875E-06	0.005075069
1670.159967	151.349765	3.41575E-06	0.005704855
1670.199967	162.276947	3.66236E-06	0.006116881
1670.239967	159.562022	3.60109E-06	0.006014689
1670.279967	149.644753	3.37727E-06	0.005640992
1670.319967	150.822578	3.40386E-06	0.005685528
1670.359967	148.720657	3.35642E-06	0.005606426
1670.399967	127.24665	2.87178E-06	0.004797021
1670.439967	107.756631	2.43192E-06	0.004062371
1670.479967	95.648659	2.15866E-06	0.003605993
1670.519967	90.050702	2.03232E-06	0.003395029
1670.559967	94.55421	2.13396E-06	0.003564903
1670.599967	94.484938	2.13239E-06	0.003562376
1670.639967	93.681337	2.11426E-06	0.003532163
1670.679967	97.040203	2.19006E-06	0.003658893
1670.719967	118.746233	2.67994E-06	0.004477424
1670.759967	131.435502	2.96632E-06	0.004956002
1670.799967	124.122207	2.80127E-06	0.004680354
1670.839967	117.251242	2.6462E-06	0.004421372
1670.879967	125.789574	2.8389E-06	0.004743454
1670.919967	114.31674	2.57997E-06	0.004310923
1670.959967	113.493733	2.5614E-06	0.004279989
1670.999967	127.783711	2.8839E-06	0.004818997
1671.039967	126.086791	2.8456E-06	0.004755117
1671.079967	104.039189	2.34802E-06	0.003923728
1671.119967	100.667676	2.27193E-06	0.003796666
1671.159967	129.353894	2.91934E-06	0.004878679
1671.199967	143.809096	3.24557E-06	0.005423998
1671.239967	151.14402	3.41111E-06	0.005700783
1671.279967	160.141406	3.61417E-06	0.006040287
1671.319967	169.099242	3.81633E-06	0.006378316
1671.359967	164.687833	3.71677E-06	0.006212069
1671.399967	149.725561	3.3791E-06	0.005647823
1671.439967	125.587118	2.83433E-06	0.004737406
1671.479967	108.890826	2.45751E-06	0.004107686
1671.519967	95.70377	2.1599E-06	0.003610317
1671.559967	106.610252	2.40604E-06	0.004021848
1671.599967	110.165354	2.48628E-06	0.004156063
1671.639967	98.484367	2.22265E-06	0.003715479
1671.679967	101.901498	2.29977E-06	0.003844488

1671.719967	114.377387	2.58134E-06	0.004315275
1671.759967	117.079867	2.64233E-06	0.004417341
1671.799967	121.670471	2.74593E-06	0.004590651
1671.839967	148.045369	3.34118E-06	0.005585915
1671.879967	156.935466	3.54181E-06	0.005921489
1671.919967	118.996281	2.68558E-06	0.004490075
1671.959967	114.826202	2.59147E-06	0.00433283
1671.999967	143.455651	3.23759E-06	0.005413257
1672.039967	154.124416	3.47837E-06	0.005815979
1672.079967	146.38203	3.30364E-06	0.005523948
1672.119967	126.796989	2.86163E-06	0.004784991
1672.159967	105.640389	2.38416E-06	0.003986691
1672.199967	104.430193	2.35684E-06	0.003941114
1672.239967	122.583654	2.76654E-06	0.004626323
1672.279967	139.755138	3.15408E-06	0.005274503
1672.319967	139.320488	3.14427E-06	0.005258224
1672.359967	142.188489	3.209E-06	0.005366597
1672.399967	148.195111	3.34456E-06	0.005593437
1672.439967	151.847203	3.42698E-06	0.005731418
1672.479967	152.962244	3.45214E-06	0.005773643
1672.519967	140.648893	3.17425E-06	0.005308996
1672.559967	132.770078	2.99644E-06	0.005011718
1672.599967	124.437123	2.80837E-06	0.004697284
1672.639967	113.25539	2.55602E-06	0.004275295
1672.679967	104.056914	2.34842E-06	0.003928154
1672.719967	111.21618	2.50999E-06	0.004198518
1672.759967	109.006485	2.46012E-06	0.004115198
1672.799967	108.563863	2.45014E-06	0.004098586
1672.839967	100.70518	2.27278E-06	0.00380199
1672.879967	93.846983	2.118E-06	0.003543153
1672.919967	106.88313	2.4122E-06	0.004035423
1672.959967	116.280388	2.62429E-06	0.004390326
1672.999967	110.946576	2.50391E-06	0.004189041
1673.039967	121.261475	2.7367E-06	0.004578613
1673.079967	131.314673	2.96359E-06	0.004958322
1673.119967	150.861615	3.40474E-06	0.005696533
1673.159967	174.562178	3.93963E-06	0.006591623
1673.199967	158.208125	3.57054E-06	0.005974222
1673.239967	138.510342	3.12599E-06	0.005230524
1673.279967	134.984695	3.04642E-06	0.005097508
1673.319967	133.994123	3.02406E-06	0.005060221
1673.359967	136.272062	3.07547E-06	0.005146369
1673.399967	134.2797	3.03051E-06	0.005071248
1673.439967	123.539461	2.78811E-06	0.004665741
1673.479967	125.300667	2.82786E-06	0.00473237
1673.519967	140.709493	3.17562E-06	0.005314459

1673.559967	155.18404	3.50229E-06	0.005861288
1673.599967	145.62712	3.2866E-06	0.005500456
1673.639967	113.259758	2.55611E-06	0.004278016
1673.679967	106.859727	2.41168E-06	0.004036372
1673.719967	124.348208	2.80637E-06	0.004697071
1673.759967	134.02136	3.02468E-06	0.005062581
1673.799967	134.104093	3.02654E-06	0.005065827
1673.839967	121.93628	2.75193E-06	0.004606294
1673.879967	113.393668	2.55914E-06	0.004283688
1673.919967	108.556591	2.44997E-06	0.004101055
1673.959967	109.806179	2.47817E-06	0.004148362
1673.999967	109.313853	2.46706E-06	0.004129861
1674.039967	105.177137	2.3737E-06	0.003973671
1674.079967	105.419807	2.37918E-06	0.003982935
1674.119967	118.87555	2.68286E-06	0.004491422
1674.159967	129.814825	2.92974E-06	0.004904853
1674.199967	144.571883	3.26279E-06	0.005462556
1674.239967	134.08922	3.02621E-06	0.005066597
1674.279967	129.732844	2.92789E-06	0.004902107
1674.319967	157.075021	3.54496E-06	0.005935405
1674.359967	164.585494	3.71447E-06	0.006219352
1674.399967	140.135647	3.16267E-06	0.005295568
1674.439967	109.677174	2.47526E-06	0.004144676
1674.479967	103.734439	2.34114E-06	0.003920195
1674.519967	112.2084	2.53239E-06	0.004240533
1674.559967	107.753489	2.43185E-06	0.004072272
1674.599967	101.817947	2.29789E-06	0.003848045
1674.639967	104.995346	2.3696E-06	0.003968225
1674.679967	114.079209	2.57461E-06	0.004311646
1674.719967	114.858172	2.59219E-06	0.004341191
1674.759967	110.901437	2.50289E-06	0.004191742
1674.799967	118.207878	2.66779E-06	0.00446801
1674.839967	135.333761	3.05429E-06	0.005115454
1674.879967	159.242396	3.59388E-06	0.006019316
1674.919967	148.699579	3.35594E-06	0.005620935
1674.959967	116.872246	2.63764E-06	0.004417948
1674.999967	114.919265	2.59357E-06	0.004344226
1675.039967	126.809557	2.86192E-06	0.004793822
1675.079967	123.945916	2.79729E-06	0.004685679
1675.119967	113.54243	2.56249E-06	0.004292486
1675.159967	107.441777	2.42481E-06	0.004061947
1675.199967	109.366893	2.46826E-06	0.004134826
1675.239967	103.931503	2.34559E-06	0.003929425
1675.279967	101.799767	2.29748E-06	0.00384892
1675.319967	116.893969	2.63813E-06	0.004419719
1675.359967	126.376042	2.85213E-06	0.004778347

1675.399967	135.07609	3.04848E-06	0.005107422
1675.439967	141.813877	3.20054E-06	0.005362315
1675.479967	137.824895	3.11052E-06	0.005211607
1675.519967	126.403886	2.85276E-06	0.004779856
1675.559967	108.185894	2.4416E-06	0.004091055
1675.599967	96.511955	2.17814E-06	0.003649692
1675.639967	111.883021	2.52504E-06	0.004231065
1675.679967	105.235801	2.37503E-06	0.003979783
1675.719967	93.193919	2.10326E-06	0.00352447
1675.759967	96.732567	2.18312E-06	0.003658384
1675.799967	97.392152	2.19801E-06	0.003683417
1675.839967	97.923219	2.20999E-06	0.003703591
1675.879967	95.66082	2.15893E-06	0.00361811
1675.919967	114.372095	2.58122E-06	0.004325916
1675.959967	154.057465	3.47686E-06	0.005827082
1675.999967	141.469643	3.19277E-06	0.005351087
1676.039967	114.643586	2.58735E-06	0.004336495
1676.079967	111.647166	2.51972E-06	0.004223254
1676.119967	120.807126	2.72645E-06	0.004569855
1676.159967	118.877106	2.68289E-06	0.004496954
1676.199967	125.684827	2.83653E-06	0.004754594
1676.239967	148.343434	3.3479E-06	0.005611892
1676.279967	150.031818	3.38601E-06	0.005675899
1676.319967	139.121534	3.13978E-06	0.005263275
1676.359967	142.759468	3.22188E-06	0.005401035
1676.399967	133.479717	3.01245E-06	0.005050073
1676.439967	110.835763	2.50141E-06	0.004193462
1676.479967	88.521254	1.9978E-06	0.003349274
1676.519967	99.714071	2.25041E-06	0.003772853
1676.559967	111.08408	2.50701E-06	0.004203158
1676.599967	97.493218	2.20029E-06	0.003689
1676.639967	96.051725	2.16775E-06	0.003634542
1676.679967	102.227961	2.30714E-06	0.00386834
1676.719967	118.208544	2.6678E-06	0.004473157
1676.759967	129.844669	2.93041E-06	0.0049136
1676.799967	130.69347	2.94957E-06	0.004945838
1676.839967	144.952844	3.27138E-06	0.005485587
1676.879967	129.831257	2.93011E-06	0.004913444
1676.919967	114.466905	2.58336E-06	0.004332086
1676.959967	124.999817	2.82107E-06	0.004730824
1676.999967	136.840392	3.0883E-06	0.005179074
1677.039967	130.095667	2.93608E-06	0.00492392
1677.079967	113.865615	2.56979E-06	0.004309741
1677.119967	104.365356	2.35538E-06	0.003950256
1677.159967	100.036541	2.25769E-06	0.0037865
1677.199967	110.018537	2.48297E-06	0.004164429

1677.239967	146.781793	3.31266E-06	0.005556127
1677.279967	170.53967	3.84884E-06	0.006455587
1677.319967	159.48552	3.59937E-06	0.006037289
1677.359967	153.435454	3.46282E-06	0.005808403
1677.399967	149.391605	3.37156E-06	0.005655455
1677.439967	150.264171	3.39125E-06	0.005688623
1677.479967	144.179471	3.25393E-06	0.005458402
1677.519967	135.752233	3.06374E-06	0.005139483
1677.559967	127.624173	2.8803E-06	0.004831876
1677.599967	115.526071	2.60726E-06	0.004373943
1677.639967	113.227176	2.55538E-06	0.004287007
1677.679967	105.287771	2.3762E-06	0.0039865
1677.719967	98.704212	2.22762E-06	0.003737317
1677.759967	106.334905	2.39983E-06	0.00402634
1677.799967	111.312063	2.51216E-06	0.004214899
1677.839967	134.978181	3.04627E-06	0.005111153
1677.879967	151.393225	3.41673E-06	0.00573287
1677.919967	142.555492	3.21728E-06	0.005398336
1677.959967	121.21978	2.73576E-06	0.004590498
1677.999967	107.295387	2.42151E-06	0.004063289
1678.039967	102.818776	2.32048E-06	0.003893852
1678.079967	89.826098	2.02725E-06	0.003401887
1678.119967	86.702655	1.95676E-06	0.003283675
1678.159967	98.003419	2.2118E-06	0.003711755
1678.199967	102.316209	2.30913E-06	0.003875189
1678.239967	125.541947	2.83331E-06	0.004754969
1678.279967	149.64032	3.37717E-06	0.005667843
1678.319967	153.027201	3.45361E-06	0.005796264
1678.359967	158.853675	3.58511E-06	0.006017099
1678.399967	162.776894	3.67365E-06	0.00616585
1678.439967	146.242181	3.30048E-06	0.005539661
1678.479967	131.694187	2.97215E-06	0.004988702
1678.519967	131.615239	2.97037E-06	0.00498583
1678.559967	137.047699	3.09298E-06	0.005191745
1678.599967	119.116067	2.68828E-06	0.004512553
1678.639967	108.865105	2.45693E-06	0.004124307
1678.679967	114.227924	2.57797E-06	0.004327578
1678.719967	123.063363	2.77737E-06	0.004662424
1678.759967	140.820803	3.17813E-06	0.005335316
1678.799967	143.215719	3.23218E-06	0.005426182
1678.839967	115.940089	2.61661E-06	0.004392863
1678.879967	104.419043	2.35659E-06	0.003956436
1678.919967	116.840902	2.63694E-06	0.004427205
1678.959967	127.594903	2.87964E-06	0.004834799
1678.999967	120.86546	2.72777E-06	0.004579917
1679.039967	116.283238	2.62435E-06	0.00440639

1679.079967	121.996371	2.75329E-06	0.004622991
1679.119967	129.428535	2.92102E-06	0.004904746
1679.159967	128.331501	2.89626E-06	0.004863289
1679.199967	144.383771	3.25854E-06	0.005471741
1679.239967	151.383896	3.41652E-06	0.005737163
1679.279967	140.380768	3.1682E-06	0.005320292
1679.319967	130.653126	2.94866E-06	0.004951742
1679.359967	137.062947	3.09332E-06	0.005194797
1679.399967	154.719474	3.4918E-06	0.005864134
1679.439967	145.358867	3.28055E-06	0.005509482
1679.479967	128.710835	2.90482E-06	0.004878594
1679.519967	110.603891	2.49618E-06	0.004192377
1679.559967	99.823917	2.25289E-06	0.003783858
1679.599967	95.830452	2.16276E-06	0.003632571
1679.639967	99.059809	2.23564E-06	0.003755074
1679.679967	109.827921	2.47866E-06	0.004163361
1679.719967	124.162295	2.80217E-06	0.004706861
1679.759967	122.666399	2.76841E-06	0.004650264
1679.799967	111.069935	2.50669E-06	0.004210744
1679.839967	101.224282	2.28449E-06	0.003837579
1679.879967	101.461715	2.28985E-06	0.003846672
1679.919967	112.730671	2.54417E-06	0.004274009
1679.959967	130.00236	2.93397E-06	0.004928956
1679.999967	126.394396	2.85255E-06	0.004792276
1680.039967	120.609279	2.72198E-06	0.004573041
1680.079967	117.769211	2.65789E-06	0.004465463
1680.119967	115.544028	2.60767E-06	0.004381195
1680.159967	126.446671	2.85373E-06	0.004794715
1680.199967	135.983054	3.06895E-06	0.005156447
1680.239967	134.576701	3.03721E-06	0.005103239
1680.279967	133.23066	3.00683E-06	0.005052317
1680.319967	142.905828	3.22519E-06	0.005419344
1680.359967	145.516608	3.28411E-06	0.005518482
1680.399967	145.268954	3.27852E-06	0.005509221
1680.439967	136.847663	3.08846E-06	0.005189974
1680.479967	114.239985	2.57824E-06	0.004332676
1680.519967	93.741419	2.11561E-06	0.00355533
1680.559967	88.743393	2.00281E-06	0.00336585
1680.599967	98.734341	2.2283E-06	0.003744875
1680.639967	119.760944	2.70284E-06	0.004542497
1680.679967	117.813523	2.65889E-06	0.004468738
1680.719967	113.671229	2.5654E-06	0.004311721
1680.759967	119.73467	2.70224E-06	0.004541825
1680.799967	121.682854	2.74621E-06	0.004615834
1680.839967	128.182521	2.8929E-06	0.004862504
1680.879967	135.213258	3.05157E-06	0.005129331

1680.919967	138.176623	3.11845E-06	0.005241871
1680.959967	108.709441	2.45342E-06	0.004124102
1680.999967	94.847307	2.14057E-06	0.003598301
1681.039967	106.405471	2.40142E-06	0.004036888
1681.079967	121.793358	2.74871E-06	0.004620795
1681.119967	128.192064	2.89312E-06	0.004863676
1681.159967	128.573527	2.90173E-06	0.004878265
1681.199967	141.908713	3.20268E-06	0.005384349
1681.239967	149.549391	3.37512E-06	0.005674389
1681.279967	158.705329	3.58176E-06	0.006021938
1681.319967	158.53235	3.57785E-06	0.006015518
1681.359967	139.470395	3.14765E-06	0.005292337
1681.399967	119.85333	2.70492E-06	0.004548057
1681.439967	118.491249	2.67418E-06	0.004496477
1681.479967	127.134284	2.86924E-06	0.004824576
1681.519967	122.508179	2.76484E-06	0.004649132
1681.559967	116.635169	2.63229E-06	0.004426359
1681.599967	107.523811	2.42666E-06	0.004080676
1681.639967	90.364654	2.0394E-06	0.003429544
1681.679967	89.264844	2.01458E-06	0.003387884
1681.719967	90.573046	2.04411E-06	0.003437616
1681.759967	94.086066	2.12339E-06	0.003571035
1681.799967	98.174239	2.21566E-06	0.00372629
1681.839967	100.383303	2.26551E-06	0.003810227
1681.879967	91.145171	2.05702E-06	0.00345966
1681.919967	102.360383	2.31013E-06	0.003885456
1681.959967	120.790361	2.72607E-06	0.004585141
1681.999967	119.335855	2.69324E-06	0.004530036
1682.039967	111.888129	2.52516E-06	0.004247419
1682.079967	119.666995	2.70072E-06	0.004542823
1682.119967	133.557573	3.01421E-06	0.00507026
1682.159967	130.576942	2.94694E-06	0.004957224
1682.199967	132.053606	2.98027E-06	0.005013403
1682.239967	126.846815	2.86276E-06	0.004815842
1682.279967	146.710642	3.31105E-06	0.005570121
1682.319967	167.555743	3.7815E-06	0.006361693
1682.359967	157.070384	3.54486E-06	0.00596373
1682.399967	136.495062	3.0805E-06	0.005182639
1682.439967	117.895704	2.66074E-06	0.004476538
1682.479967	112.073087	2.52933E-06	0.004255553
1682.519967	116.078515	2.61973E-06	0.004407749
1682.559967	117.310685	2.64754E-06	0.004454643
1682.599967	122.765981	2.77066E-06	0.004661908
1682.639967	116.552432	2.63043E-06	0.00442606
1682.679967	104.248977	2.35275E-06	0.003958932
1682.719967	106.005524	2.3924E-06	0.004025734

1682.759967	111.464605	2.5156E-06	0.004233152
1682.799967	124.162014	2.80216E-06	0.004715481
1682.839967	119.374484	2.69412E-06	0.004533766
1682.879967	108.322838	2.4447E-06	0.004114129
1682.919967	101.191813	2.28376E-06	0.003843382
1682.959967	96.386264	2.1753E-06	0.003660949
1682.999967	105.152366	2.37314E-06	0.003993999
1683.039967	108.833163	2.45621E-06	0.004133904
1683.079967	119.883301	2.7056E-06	0.00455374
1683.119967	121.104876	2.73317E-06	0.00460025
1683.159967	116.16101	2.62159E-06	0.004412559
1683.199967	125.425776	2.83069E-06	0.004764609
1683.239967	142.385976	3.21345E-06	0.005409013
1683.279967	166.975189	3.7684E-06	0.006343268
1683.319967	199.686867	4.50665E-06	0.007586141
1683.359967	203.280011	4.58775E-06	0.007722829
1683.399967	182.173671	4.11141E-06	0.006921141
1683.439967	138.060481	3.11583E-06	0.005245317
1683.479967	103.344795	2.33235E-06	0.003926461
1683.519967	103.350946	2.33249E-06	0.003926788
1683.559967	107.635757	2.42919E-06	0.004089686
1683.599967	105.680667	2.38507E-06	0.004015496
1683.639967	111.165793	2.50886E-06	0.004224012
1683.679967	98.4829	2.22262E-06	0.003742184
1683.719967	91.235112	2.05905E-06	0.003466863
1683.759967	105.883753	2.38965E-06	0.004023595
1683.799967	125.950512	2.84253E-06	0.004786248
1683.839967	111.306735	2.51204E-06	0.00422987
1683.879967	95.629809	2.15823E-06	0.003634203
1683.919967	100.215486	2.26172E-06	0.003808562
1683.959967	106.250082	2.39792E-06	0.004037995
1683.999967	110.831474	2.50131E-06	0.004212209
1684.039967	107.19346	2.41921E-06	0.004074041
1684.079967	109.875769	2.47974E-06	0.004176086
1684.119967	122.73095	2.76987E-06	0.004664788
1684.159967	124.047636	2.79958E-06	0.004714945
1684.199967	126.099129	2.84588E-06	0.004793034
1684.239967	123.229526	2.78112E-06	0.004684071
1684.279967	128.326651	2.89615E-06	0.004877934
1684.319967	137.857087	3.11124E-06	0.005240328
1684.359967	147.952916	3.33909E-06	0.005624232
1684.399967	152.036812	3.43126E-06	0.005779613
1684.439967	133.979996	3.02374E-06	0.005093312
1684.479967	122.558047	2.76596E-06	0.004659212
1684.519967	134.612734	3.03802E-06	0.005117609
1684.559967	131.702199	2.97234E-06	0.005007077

1684.599967	130.55951	2.94655E-06	0.004963752
1684.639967	124.245371	2.80404E-06	0.004723806
1684.679967	123.240173	2.78136E-06	0.0046857
1684.719967	120.837235	2.72713E-06	0.004594447
1684.759967	106.254941	2.39803E-06	0.004040098
1684.799967	95.292129	2.15061E-06	0.003623349
1684.839967	106.318782	2.39947E-06	0.004042718
1684.879967	116.757835	2.63506E-06	0.004439763
1684.919967	123.247746	2.78153E-06	0.004686655
1684.959967	131.027742	2.95711E-06	0.004982618
1684.999967	123.365605	2.78419E-06	0.00469136
1685.039967	122.243823	2.75887E-06	0.004648811
1685.079967	125.408399	2.83029E-06	0.00476927
1685.119967	124.745223	2.81533E-06	0.004744162
1685.159967	124.600564	2.81206E-06	0.004738773
1685.199967	125.52683	2.83297E-06	0.004774114
1685.239967	122.602917	2.76698E-06	0.00466302
1685.279967	124.065638	2.79999E-06	0.004718765
1685.319967	119.530579	2.69764E-06	0.004546384
1685.359967	122.167204	2.75714E-06	0.004646779
1685.399967	131.039034	2.95737E-06	0.004984349
1685.439967	128.299723	2.89555E-06	0.004880269
1685.479967	117.609973	2.65429E-06	0.004473758
1685.519967	104.579503	2.36021E-06	0.003978187
1685.559967	105.016074	2.37007E-06	0.003994889
1685.599967	103.148773	2.32792E-06	0.003923949
1685.639967	107.164508	2.41855E-06	0.004076811
1685.679967	111.819439	2.52361E-06	0.004253997
1685.719967	114.668807	2.58792E-06	0.0043625
1685.759967	115.672946	2.61058E-06	0.004400807
1685.799967	107.629708	2.42905E-06	0.004094897
1685.839967	108.473899	2.4481E-06	0.004127113
1685.879967	107.438744	2.42474E-06	0.004087825
1685.919967	97.642753	2.20366E-06	0.003715196
1685.959967	109.105212	2.46235E-06	0.004151428
1685.999967	112.04233	2.52864E-06	0.004263286
1686.039967	110.201354	2.48709E-06	0.004193335
1686.079967	114.783488	2.5905E-06	0.004367796
1686.119967	122.076193	2.75509E-06	0.004645412
1686.159967	130.342848	2.94166E-06	0.004960103
1686.199967	121.93758	2.75196E-06	0.004640357
1686.239967	118.115224	2.6657E-06	0.004495003
1686.279967	111.6414	2.51959E-06	0.004248736
1686.319967	102.39618	2.31094E-06	0.003896983
1686.359967	115.525543	2.60725E-06	0.004396763
1686.399967	130.734519	2.9505E-06	0.004975716

1686.439967	131.176887	2.96048E-06	0.004992671
1686.479967	133.750031	3.01855E-06	0.005090727
1686.519967	128.89115	2.90889E-06	0.004905907
1686.559967	112.627405	2.54184E-06	0.004286972
1686.599967	116.133711	2.62098E-06	0.004420538
1686.639967	121.651491	2.7455E-06	0.004630678
1686.679967	100.2194	2.26181E-06	0.003814953
1686.719967	90.27381	2.03735E-06	0.003436446
1686.759967	87.943481	1.98476E-06	0.003347817
1686.799967	101.297169	2.28614E-06	0.003856254
1686.839967	137.267511	3.09794E-06	0.005225723
1686.879967	149.554227	3.37523E-06	0.005693609
1686.919967	129.174205	2.91528E-06	0.004917847
1686.959967	101.82938	2.29815E-06	0.003876882
1686.999967	94.998309	2.14398E-06	0.003616893
1687.039967	113.605903	2.56393E-06	0.004325447
1687.079967	136.859579	3.08873E-06	0.005210935
1687.119967	136.770652	3.08672E-06	0.005207672
1687.159967	148.93978	3.36136E-06	0.005671158
1687.199967	162.758124	3.67322E-06	0.006197464
1687.239967	151.536185	3.41996E-06	0.005770294
1687.279967	149.236501	3.36806E-06	0.00568286
1687.319967	150.407392	3.39449E-06	0.005727583
1687.359967	151.51833	3.41956E-06	0.005770025
1687.399967	136.208988	3.07405E-06	0.005187147
1687.439967	122.597971	2.76687E-06	0.004668919
1687.479967	115.38348	2.60404E-06	0.004394273
1687.519967	110.965087	2.50433E-06	0.004226103
1687.559967	101.413863	2.28877E-06	0.003862436
1687.599967	102.317769	2.30917E-06	0.003896954
1687.639967	103.14555	2.32785E-06	0.003928575
1687.679967	114.460164	2.58321E-06	0.004359626
1687.719967	118.235032	2.6684E-06	0.004503512
1687.759967	119.537195	2.69779E-06	0.004553219
1687.799967	113.478209	2.56105E-06	0.004322532
1687.839967	102.326524	2.30937E-06	0.003897842
1687.879967	105.526107	2.38158E-06	0.004019817
1687.919967	109.565432	2.47274E-06	0.004173786
1687.959967	108.324165	2.44473E-06	0.004126599
1687.999967	102.945391	2.32333E-06	0.003921788
1688.039967	119.957102	2.70726E-06	0.004569971
1688.079967	144.294642	3.25653E-06	0.005497282
1688.119967	134.521755	3.03597E-06	0.005125079
1688.159967	119.645943	2.70024E-06	0.004558441
1688.199967	102.280468	2.30833E-06	0.003896919
1688.239967	99.590101	2.24761E-06	0.003794505

1688.279967	121.059254	2.73214E-06	0.004612615
1688.319967	126.764932	2.86091E-06	0.004830128
1688.359967	122.288436	2.75988E-06	0.00465967
1688.399967	130.524196	2.94575E-06	0.004973603
1688.439967	152.491745	3.44153E-06	0.005810811
1688.479967	156.589953	3.53402E-06	0.005967117
1688.519967	144.79986	3.26793E-06	0.005517967
1688.559967	126.384849	2.85233E-06	0.00481633
1688.599967	116.677305	2.63324E-06	0.004446496
1688.639967	108.961181	2.4591E-06	0.004152538
1688.679967	87.928469	1.98442E-06	0.003351055
1688.719967	82.405588	1.85978E-06	0.003140647
1688.759967	98.312414	2.21877E-06	0.003746977
1688.799967	117.113652	2.64309E-06	0.004463654
1688.839967	119.045506	2.68669E-06	0.004537392
1688.879967	111.455821	2.5154E-06	0.004248213
1688.919967	107.713532	2.43094E-06	0.004105671
1688.959967	117.93642	2.66166E-06	0.004495438
1688.999967	136.596577	3.08279E-06	0.00520684
1689.039967	134.881219	3.04408E-06	0.005141575
1689.079967	121.271942	2.73694E-06	0.004622909
1689.119967	107.449669	2.42499E-06	0.004096098
1689.159967	108.366455	2.44568E-06	0.004131145
1689.199967	128.871475	2.90845E-06	0.004912953
1689.239967	131.316816	2.96364E-06	0.005006295
1689.279967	131.118402	2.95916E-06	0.004998849
1689.319967	130.184983	2.93809E-06	0.00496338
1689.359967	110.118281	2.48522E-06	0.004198425
1689.399967	105.157855	2.37327E-06	0.004009396
1689.439967	102.399809	2.31102E-06	0.003904331
1689.479967	94.683201	2.13687E-06	0.003610196
1689.519967	100.701927	2.2727E-06	0.003839776
1689.559967	101.872029	2.29911E-06	0.003884484
1689.599967	98.718089	2.22793E-06	0.00376431
1689.639967	97.803224	2.20728E-06	0.003729513
1689.679967	98.050659	2.21287E-06	0.003739037
1689.719967	98.135593	2.21478E-06	0.003742364
1689.759967	104.295195	2.3538E-06	0.003977352
1689.799967	111.642927	2.51963E-06	0.004257663
1689.839967	125.619825	2.83506E-06	0.004790805
1689.879967	133.708836	3.01762E-06	0.005099419
1689.919967	119.479547	2.69649E-06	0.004556847
1689.959967	119.208219	2.69036E-06	0.004546607
1689.999967	110.718292	2.49876E-06	0.0042229
1690.039967	98.943526	2.23302E-06	0.003773889
1690.079967	114.421768	2.58234E-06	0.004364361

1690.119967	113.06777	2.55178E-06	0.004312818
1690.159967	114.623011	2.58688E-06	0.004372244
1690.199967	122.146273	2.75667E-06	0.004659326
1690.239967	119.386212	2.69438E-06	0.00455415
1690.279967	107.946178	2.43619E-06	0.004117851
1690.319967	109.692674	2.47561E-06	0.004184574
1690.359967	118.449075	2.67323E-06	0.004518722
1690.399967	117.386479	2.64925E-06	0.004478291
1690.439967	112.693432	2.54333E-06	0.004299353
1690.479967	129.092735	2.91344E-06	0.004925117
1690.519967	145.583618	3.28562E-06	0.005554405
1690.559967	141.978476	3.20426E-06	0.005416988
1690.599967	113.362453	2.55843E-06	0.004325286
1690.639967	94.065031	2.12292E-06	0.003589088
1690.679967	92.693374	2.09196E-06	0.003536835
1690.719967	104.819459	2.36563E-06	0.003999617
1690.759967	108.746896	2.45427E-06	0.004149575
1690.799967	104.392387	2.35599E-06	0.003983509
1690.839967	111.666913	2.52017E-06	0.004261199
1690.879967	142.77258	3.22218E-06	0.005448317
1690.919967	153.85105	3.4722E-06	0.005871219
1690.959967	134.460645	3.03459E-06	0.005131369
1690.999967	119.376357	2.69416E-06	0.004555821
1691.039967	124.888684	2.81856E-06	0.004766304
1691.079967	136.646338	3.08392E-06	0.005215151
1691.119967	134.061654	3.02558E-06	0.005116627
1691.159967	120.984384	2.73045E-06	0.004617626
1691.199967	124.45687	2.80882E-06	0.004750273
1691.239967	134.55646	3.03675E-06	0.005135876
1691.279967	130.110629	2.93642E-06	0.004966301
1691.319967	132.512375	2.99062E-06	0.005058095
1691.359967	141.379495	3.19074E-06	0.005396687
1691.399967	145.861567	3.29189E-06	0.005567907
1691.439967	138.047244	3.11553E-06	0.005269739
1691.479967	128.233236	2.89405E-06	0.00489522
1691.519967	119.78069	2.70328E-06	0.004572658
1691.559967	101.391379	2.28826E-06	0.003870733
1691.599967	90.232566	2.03642E-06	0.003444814
1691.639967	96.06911	2.16815E-06	0.003667722
1691.679967	91.844471	2.0728E-06	0.003506517
1691.719967	94.650399	2.13613E-06	0.00361373
1691.759967	118.610307	2.67687E-06	0.004528621
1691.799967	131.982148	2.97865E-06	0.005039285
1691.839967	124.320049	2.80573E-06	0.004746847
1691.879967	114.516192	2.58447E-06	0.004372615
1691.919967	108.597945	2.4509E-06	0.004146734

1691.959967	103.52912	2.33651E-06	0.003953278
1691.999967	106.73595	2.40888E-06	0.004075828
1692.039967	116.272958	2.62412E-06	0.004440114
1692.079967	115.298575	2.60213E-06	0.004403009
1692.119967	108.154044	2.44089E-06	0.004130272
1692.159967	112.506937	2.53912E-06	0.004296605
1692.199967	118.586173	2.67632E-06	0.004528877
1692.239967	118.897723	2.68336E-06	0.004540882
1692.279967	106.744721	2.40908E-06	0.004076837
1692.319967	115.658678	2.61026E-06	0.004417387
1692.359967	126.033597	2.8444E-06	0.004813753
1692.399967	123.879701	2.79579E-06	0.004731599
1692.439967	114.807264	2.59104E-06	0.00438518
1692.479967	101.742596	2.29619E-06	0.003886253
1692.519967	97.511641	2.2007E-06	0.003724732
1692.559967	105.059445	2.37105E-06	0.004013136
1692.599967	104.720642	2.3634E-06	0.004000289
1692.639967	99.599164	2.24781E-06	0.00380474
1692.679967	84.882291	1.91568E-06	0.003242625
1692.719967	73.302226	1.65433E-06	0.002800316
1692.759967	80.944978	1.82682E-06	0.00309236
1692.799967	93.443458	2.10889E-06	0.003569927
1692.839967	117.268121	2.64658E-06	0.004480233
1692.879967	120.211484	2.71301E-06	0.004592793
1692.919967	105.464163	2.38018E-06	0.004029453
1692.959967	111.908208	2.52561E-06	0.004275761
1692.999967	110.788202	2.50034E-06	0.004233068
1693.039967	112.057292	2.52898E-06	0.004281659
1693.079967	119.089406	2.68768E-06	0.004550461
1693.119967	129.782763	2.92902E-06	0.004959176
1693.159967	132.109419	2.98153E-06	0.0050482
1693.199967	154.178889	3.4796E-06	0.005891663
1693.239967	171.656077	3.87404E-06	0.006559677
1693.279967	160.411939	3.62027E-06	0.006130137
1693.319967	133.094025	3.00375E-06	0.005086304
1693.359967	112.536908	2.5398E-06	0.004300798
1693.399967	108.925129	2.45829E-06	0.004162866
1693.439967	116.75663	2.63503E-06	0.004462273
1693.479967	119.718802	2.70189E-06	0.004575591
1693.519967	109.059311	2.46132E-06	0.004168289
1693.559967	110.207235	2.48722E-06	0.004212263
1693.599967	106.457645	2.4026E-06	0.004069045
1693.639967	91.744944	2.07056E-06	0.003506776
1693.679967	86.464419	1.95138E-06	0.003305016
1693.719967	80.728229	1.82192E-06	0.003085829
1693.759967	88.13511	1.98909E-06	0.003369035

1693.799967	94.231984	2.12668E-06	0.003602178
1693.839967	103.403377	2.33367E-06	0.003952864
1693.879967	102.993917	2.32443E-06	0.003937304
1693.919967	91.755126	2.07079E-06	0.003507745
1693.959967	80.729309	1.82195E-06	0.003086307
1693.999967	75.97684	1.71469E-06	0.002904687
1694.039967	79.348204	1.79078E-06	0.00303365
1694.079967	79.376559	1.79142E-06	0.003034806
1694.119967	93.460463	2.10927E-06	0.003573361
1694.159967	120.720224	2.72449E-06	0.004615717
1694.199967	141.240269	3.1876E-06	0.005400425
1694.239967	142.804546	3.2229E-06	0.005460365
1694.279967	149.80119	3.3808E-06	0.005728029
1694.319967	155.195687	3.50255E-06	0.005934441
1694.359967	143.964156	3.24907E-06	0.005505095
1694.399967	129.213835	2.91618E-06	0.004941169
1694.439967	133.436221	3.01147E-06	0.005102755
1694.479967	124.435734	2.80834E-06	0.004758678
1694.519967	112.150773	2.53109E-06	0.004288977
1694.559967	104.717238	2.36332E-06	0.004004791
1694.599967	96.93966	2.18779E-06	0.003707434
1694.639967	97.508792	2.20064E-06	0.003729288
1694.679967	107.002538	2.4149E-06	0.00409248
1694.719967	102.806827	2.32021E-06	0.003932101
1694.759967	97.449737	2.1993E-06	0.003727294
1694.799967	98.910244	2.23227E-06	0.003783245
1694.839967	96.795831	2.18455E-06	0.003702458
1694.879967	100.824296	2.27546E-06	0.003856638
1694.919967	114.50351	2.58418E-06	0.004379986
1694.959967	112.611236	2.54148E-06	0.004307705
1694.999967	109.78448	2.47768E-06	0.004199672
1695.039967	115.345903	2.6032E-06	0.004412522
1695.079967	112.289073	2.53421E-06	0.004295685
1695.119967	99.880007	2.25415E-06	0.003821059
1695.159967	92.984589	2.09853E-06	0.003557349
1695.199967	98.264276	2.21769E-06	0.003759424
1695.239967	118.393216	2.67197E-06	0.00452963
1695.279967	116.373685	2.62639E-06	0.00445247
1695.319967	123.743838	2.79273E-06	0.004734564
1695.359967	134.922736	3.04502E-06	0.005162402
1695.399967	123.939519	2.79714E-06	0.004742275
1695.439967	135.452071	3.05696E-06	0.0051829
1695.479967	146.192854	3.29937E-06	0.005594014
1695.519967	135.629523	3.06097E-06	0.005189935
1695.559967	117.535813	2.65262E-06	0.004497676
1695.599967	111.167923	2.50891E-06	0.0042541

1695.639967	118.723081	2.67941E-06	0.004543322
1695.679967	124.30403	2.80537E-06	0.004757008
1695.719967	116.25327	2.62367E-06	0.004449017
1695.759967	96.993608	2.18901E-06	0.003712037
1695.799967	87.007525	1.96364E-06	0.003329938
1695.839967	92.07627	2.07803E-06	0.003524012
1695.879967	106.335928	2.39985E-06	0.004069864
1695.919967	126.634183	2.85796E-06	0.004846867
1695.959967	133.364294	3.00985E-06	0.005104579
1695.999967	121.714987	2.74694E-06	0.004658806
1696.039967	113.90166	2.5706E-06	0.004359843
1696.079967	116.217092	2.62286E-06	0.004448577
1696.119967	122.213659	2.75819E-06	0.004678225
1696.159967	132.223541	2.9841E-06	0.005061513
1696.199967	139.68413	3.15248E-06	0.00534723
1696.239967	150.366403	3.39356E-06	0.005756293
1696.279967	163.621696	3.69271E-06	0.006263876
1696.319967	144.288763	3.2564E-06	0.00552389
1696.359967	115.932396	2.61643E-06	0.004438412
1696.399967	102.449624	2.31215E-06	0.003922323
1696.439967	108.956005	2.45899E-06	0.004171521
1696.479967	121.643626	2.74533E-06	0.004657393
1696.519967	122.01824	2.75378E-06	0.004671846
1696.559967	112.167449	2.53146E-06	0.004294779
1696.599967	103.145566	2.32785E-06	0.003949433
1696.639967	105.593676	2.3831E-06	0.004043266
1696.679967	94.44857	2.13157E-06	0.003616597
1696.719967	106.262711	2.3982E-06	0.004069076
1696.759967	114.184237	2.57698E-06	0.004372515
1696.799967	120.206332	2.71289E-06	0.004603231
1696.839967	118.719101	2.67932E-06	0.004546385
1696.879967	118.833815	2.68191E-06	0.004550886
1696.919967	122.03171	2.75409E-06	0.004673463
1696.959967	101.31	2.28643E-06	0.003879973
1696.999967	87.884256	1.98343E-06	0.003365873
1697.039967	107.636925	2.42922E-06	0.004122476
1697.079967	108.486585	2.44839E-06	0.004155116
1697.119967	104.119176	2.34982E-06	0.003987935
1697.159967	97.183536	2.1933E-06	0.003722376
1697.199967	97.144058	2.19241E-06	0.003720952
1697.239967	105.056692	2.37098E-06	0.004024127
1697.279967	124.080883	2.80033E-06	0.004752949
1697.319967	138.095093	3.11661E-06	0.005289891
1697.359967	118.790031	2.68093E-06	0.004550496
1697.399967	108.0538	2.43862E-06	0.00413932
1697.439967	114.113635	2.57539E-06	0.004371563

1697.479967	123.903321	2.79633E-06	0.004746706
1697.519967	127.76086	2.88338E-06	0.004894603
1697.559967	113.737763	2.5669E-06	0.004357472
1697.599967	105.582149	2.38284E-06	0.004045113
1697.639967	91.690322	2.06932E-06	0.003512965
1697.679967	87.329334	1.9709E-06	0.00334596
1697.719967	113.064193	2.5517E-06	0.004332074
1697.759967	126.742844	2.86041E-06	0.004856289
1697.799967	120.241267	2.71368E-06	0.004607282
1697.839967	106.462608	2.40271E-06	0.004079422
1697.879967	106.968414	2.41413E-06	0.0040989
1697.919967	114.436218	2.58267E-06	0.00438516
1697.959967	117.876794	2.66032E-06	0.004517108
1697.999967	107.869864	2.43447E-06	0.004133734
1698.039967	98.034487	2.2125E-06	0.003756917
1698.079967	101.012079	2.2797E-06	0.003871116
1698.119967	119.600567	2.69922E-06	0.004583596
1698.159967	125.86616	2.84062E-06	0.004823834
1698.199967	125.032558	2.82181E-06	0.004791999
1698.239967	128.020603	2.88925E-06	0.004906634
1698.279967	134.509421	3.03569E-06	0.005155452
1698.319967	138.330961	3.12194E-06	0.005302048
1698.359967	118.956758	2.68469E-06	0.004559567
1698.399967	111.887849	2.52515E-06	0.00428872
1698.439967	122.726316	2.76976E-06	0.004704274
1698.479967	131.664019	2.97147E-06	0.005046988
1698.519967	129.007819	2.91153E-06	0.004945286
1698.559967	113.299732	2.55702E-06	0.004343247
1698.599967	107.777441	2.43239E-06	0.004131652
1698.639967	121.093056	2.7329E-06	0.004642216
1698.679967	118.954818	2.68464E-06	0.004560352
1698.719967	112.790947	2.54553E-06	0.00432415
1698.759967	114.896492	2.59305E-06	0.004404976
1698.799966	119.677757	2.70096E-06	0.004588391
1698.839966	105.069476	2.37127E-06	0.004028411
1698.879966	101.214013	2.28426E-06	0.003880682
1698.919966	109.403961	2.4691E-06	0.004194795
1698.959966	116.072484	2.61959E-06	0.004450586
1698.999966	105.69257	2.38533E-06	0.004052683
1699.039966	119.027728	2.68629E-06	0.004564114
1699.079966	126.546732	2.85598E-06	0.004852544
1699.119966	116.635448	2.6323E-06	0.004472593
1699.159966	108.444479	2.44744E-06	0.004158593
1699.199966	110.382382	2.49118E-06	0.004233007
1699.239966	106.108361	2.39472E-06	0.0040692
1699.279966	101.420691	2.28892E-06	0.003889522

1699.319966	106.212372	2.39707E-06	0.004073381
1699.359966	115.754974	2.61243E-06	0.004439456
1699.399966	113.07031	2.55184E-06	0.004336596
1699.439966	117.05366	2.64174E-06	0.004489475
1699.479966	125.22288	2.82611E-06	0.00480291
1699.519966	112.054092	2.5289E-06	0.004297924
1699.559966	106.410723	2.40154E-06	0.004081564
1699.599966	113.92737	2.57118E-06	0.004369981
1699.639966	112.069887	2.52926E-06	0.004298834
1699.679966	107.318538	2.42203E-06	0.004116676
1699.719966	108.868875	2.45702E-06	0.004176244
1699.759966	99.159899	2.2379E-06	0.003803894
1699.799966	100.589428	2.27016E-06	0.003858823
1699.839966	100.519963	2.2686E-06	0.003856249
1699.879966	112.022317	2.52819E-06	0.004297616
1699.919966	121.349552	2.73869E-06	0.004655554
1699.959966	112.104222	2.53004E-06	0.00430096
1699.999966	102.833022	2.3208E-06	0.003945357
1700.039966	109.65436	2.47475E-06	0.004207167
1700.079966	121.093141	2.7329E-06	0.004646155
1700.119966	114.492089	2.58393E-06	0.004392986
1700.159966	114.769199	2.59018E-06	0.004403722
1700.199966	125.103877	2.82342E-06	0.004800379
1700.239966	124.164066	2.80221E-06	0.004764429
1700.279966	114.905357	2.59325E-06	0.004409258
1700.319966	121.768355	2.74814E-06	0.004672721
1700.359966	137.582651	3.10505E-06	0.005279701
1700.399966	150.581731	3.39842E-06	0.005778673
1700.439966	135.535364	3.05884E-06	0.005201381
1700.479966	117.414547	2.64988E-06	0.004506073
1700.519966	116.683817	2.63339E-06	0.004478134
1700.559966	121.915417	2.75146E-06	0.004679025
1700.599966	126.771635	2.86106E-06	0.004865517
1700.639966	128.595441	2.90222E-06	0.004935631
1700.679966	120.398143	2.71722E-06	0.004621119
1700.719966	117.129339	2.64345E-06	0.004495761
1700.759966	114.660817	2.58773E-06	0.004401116
1700.799966	106.087523	2.39425E-06	0.004072136
1700.839966	103.000328	2.32457E-06	0.003953728
1700.879966	105.256317	2.37549E-06	0.004040421
1700.919966	110.610316	2.49632E-06	0.004246042
1700.959966	120.194277	2.71262E-06	0.004614054
1700.999966	130.414266	2.94327E-06	0.005006499
1701.039966	127.290914	2.87278E-06	0.004886711
1701.079966	124.903437	2.8189E-06	0.004795169
1701.119966	126.586235	2.85688E-06	0.004859887

1701.159966	116.325119	2.6253E-06	0.004466048
1701.199966	108.61869	2.45137E-06	0.004170275
1701.239966	116.796485	2.63593E-06	0.004484356
1701.279966	129.319587	2.91856E-06	0.004965293
1701.319966	130.101159	2.9362E-06	0.004995419
1701.359966	130.681635	2.9493E-06	0.005017825
1701.399966	139.572605	3.14996E-06	0.005359341
1701.439966	141.022402	3.18268E-06	0.005415138
1701.479966	126.976409	2.86568E-06	0.004875898
1701.519966	115.253803	2.60112E-06	0.004425854
1701.559966	122.690507	2.76895E-06	0.004711541
1701.599966	113.185268	2.55443E-06	0.004346625
1701.639966	99.018778	2.23472E-06	0.003802682
1701.679966	104.382485	2.35577E-06	0.004008762
1701.719966	108.653024	2.45215E-06	0.004172868
1701.759966	99.588488	2.24757E-06	0.003824831
1701.799966	93.790719	2.11673E-06	0.003602244
1701.839966	84.474232	1.90647E-06	0.0032445
1701.879966	81.678511	1.84337E-06	0.003137195
1701.919966	101.003903	2.27952E-06	0.003879556
1701.959966	122.127598	2.75625E-06	0.004691027
1701.999966	129.760788	2.92852E-06	0.004984341
1702.039966	118.026339	2.66369E-06	0.004533707
1702.079966	128.672337	2.90396E-06	0.004942764
1702.119966	153.555917	3.46554E-06	0.00589877
1702.159966	148.13274	3.34315E-06	0.005690575
1702.199966	134.44291	3.03419E-06	0.005164797
1702.239966	113.688398	2.56579E-06	0.004367588
1702.279966	101.392659	2.28829E-06	0.003895312
1702.319966	106.896457	2.4125E-06	0.004106854
1702.359966	115.308018	2.60234E-06	0.004430122
1702.399966	126.83316	2.86245E-06	0.004873031
1702.439966	116.319537	2.62517E-06	0.004469194
1702.479966	103.565436	2.33733E-06	0.003979253
1702.519966	102.37232	2.3104E-06	0.003933503
1702.559966	122.100534	2.75564E-06	0.004691641
1702.599966	137.173722	3.09582E-06	0.005270943
1702.639966	133.484668	3.01256E-06	0.00512931
1702.679966	118.883293	2.68303E-06	0.004568342
1702.719966	99.44955	2.24444E-06	0.003821649
1702.759966	102.337941	2.30962E-06	0.003932737
1702.799966	110.863926	2.50204E-06	0.004260481
1702.839966	109.271863	2.46611E-06	0.004199397
1702.879966	97.216845	2.19405E-06	0.003736202
1702.919966	94.112593	2.12399E-06	0.003616985
1702.959966	102.414982	2.31136E-06	0.003936159

1702.999966	104.737891	2.36379E-06	0.004025531
1703.039966	106.163445	2.39596E-06	0.004080417
1703.079966	99.915814	2.25496E-06	0.003840378
1703.119966	106.977767	2.41434E-06	0.004111909
1703.159966	129.040935	2.91227E-06	0.004960069
1703.199966	148.062898	3.34157E-06	0.005691368
1703.239966	145.942799	3.29373E-06	0.005610005
1703.279966	131.592674	2.96986E-06	0.005058509
1703.319966	117.892466	2.66067E-06	0.00453197
1703.359966	126.385011	2.85233E-06	0.004858551
1703.399966	136.996624	3.09182E-06	0.005266611
1703.439966	135.007652	3.04693E-06	0.00519027
1703.479966	126.322441	2.85092E-06	0.004856488
1703.519966	122.490829	2.76445E-06	0.004709291
1703.559966	118.11506	2.66569E-06	0.004541167
1703.599966	111.111585	2.50763E-06	0.004272005
1703.639966	101.681182	2.2948E-06	0.003909518
1703.679966	108.45664	2.44772E-06	0.004170124
1703.719966	103.085775	2.3265E-06	0.003963709
1703.759966	90.757118	2.04826E-06	0.003489746
1703.799966	79.844278	1.80197E-06	0.003070203
1703.839966	79.77466	1.8004E-06	0.003067599
1703.879966	89.865343	2.02814E-06	0.0034557
1703.919966	111.806395	2.52331E-06	0.004299526
1703.959966	123.124022	2.77874E-06	0.004734858
1703.999966	126.578651	2.8567E-06	0.004867823
1704.039966	136.746215	3.08617E-06	0.00525896
1704.079966	135.431407	3.0565E-06	0.005208517
1704.119966	107.669247	2.42994E-06	0.004140918
1704.159966	85.386623	1.92706E-06	0.003284014
1704.199966	94.817686	2.1399E-06	0.003646823
1704.239966	117.23226	2.64577E-06	0.004509025
1704.279966	119.273063	2.69183E-06	0.004587627
1704.319966	114.639973	2.58726E-06	0.004409527
1704.359966	112.655751	2.54248E-06	0.004333307
1704.399966	118.312807	2.67016E-06	0.004551013
1704.439966	110.507603	2.494E-06	0.004250878
1704.479966	97.259766	2.19502E-06	0.003741363
1704.519966	85.632595	1.93261E-06	0.00329417
1704.559966	86.386056	1.94961E-06	0.003323232
1704.599966	89.924254	2.02947E-06	0.003459426
1704.639966	95.273247	2.15018E-06	0.00366529
1704.679966	107.727983	2.43127E-06	0.004144538
1704.719966	116.996998	2.64046E-06	0.004501244
1704.759966	112.476566	2.53844E-06	0.00432743
1704.799966	116.303365	2.6248E-06	0.004474767

1704.839966	115.60014	2.60893E-06	0.004447815
1704.879966	113.103729	2.55259E-06	0.004351866
1704.919966	132.669737	2.99417E-06	0.005104822
1704.959966	142.244404	3.21026E-06	0.005473361
1704.999966	136.685042	3.08479E-06	0.005259569
1705.039966	129.181902	2.91546E-06	0.004970968
1705.079966	116.687597	2.63348E-06	0.004490288
1705.119966	109.411997	2.46928E-06	0.004210412
1705.159966	93.565369	2.11164E-06	0.003600684
1705.199966	92.112205	2.07884E-06	0.003544845
1705.239966	112.975391	2.5497E-06	0.004347846
1705.279966	142.218665	3.20968E-06	0.005473398
1705.319966	157.490255	3.55434E-06	0.00606128
1705.359966	159.502384	3.59975E-06	0.006138864
1705.399966	146.197553	3.29948E-06	0.005626925
1705.439966	128.875636	2.90854E-06	0.004960346
1705.479966	115.68389	2.61082E-06	0.004452708
1705.519966	86.24832	1.9465E-06	0.003319802
1705.559966	75.024891	1.69321E-06	0.002887867
1705.599966	87.859388	1.98286E-06	0.003381973
1705.639966	97.806623	2.20736E-06	0.00376496
1705.679966	108.148951	2.44077E-06	0.004163175
1705.719966	104.659746	2.36202E-06	0.004028953
1705.759966	93.742614	2.11564E-06	0.003608774
1705.799966	101.814661	2.29782E-06	0.003919613
1705.839966	105.774289	2.38718E-06	0.004072144
1705.879966	110.96595	2.50435E-06	0.004272115
1705.919966	122.189695	2.75765E-06	0.004704332
1705.959966	110.704592	2.49845E-06	0.004262253
1705.999966	107.342885	2.42258E-06	0.00413292
1706.039966	120.864716	2.72775E-06	0.004653648
1706.079966	121.285447	2.73724E-06	0.004669956
1706.119966	118.956263	2.68468E-06	0.004580381
1706.159966	132.260283	2.98493E-06	0.005092769
1706.199966	134.08202	3.02604E-06	0.005163037
1706.239966	124.348509	2.80637E-06	0.004788345
1706.279966	121.852486	2.75004E-06	0.00469234
1706.319966	112.584208	2.54087E-06	0.004335535
1706.359966	100.461889	2.26728E-06	0.003868804
1706.399966	108.016816	2.43779E-06	0.004159843
1706.439966	116.077446	2.61971E-06	0.004470371
1706.479966	135.332431	3.05426E-06	0.005212041
1706.519966	142.579893	3.21783E-06	0.00549129
1706.559966	136.705628	3.08526E-06	0.005265174
1706.599966	121.439379	2.74072E-06	0.004677309
1706.639966	104.663232	2.3621E-06	0.00403126

1706.679966	89.050001	2.00973E-06	0.003429974
1706.719966	88.363697	1.99425E-06	0.003403619
1706.759966	90.211237	2.03594E-06	0.003474864
1706.799966	96.066446	2.16809E-06	0.003700489
1706.839966	105.374204	2.37815E-06	0.00405912
1706.879966	115.98465	2.61761E-06	0.004467949
1706.919966	107.9632	2.43658E-06	0.004159045
1706.959966	93.614482	2.11275E-06	0.003606377
1706.999966	92.552614	2.08878E-06	0.003565554
1707.039966	101.055876	2.28069E-06	0.00389323
1707.079966	111.33455	2.51267E-06	0.004289321
1707.119966	122.459262	2.76373E-06	0.004718027
1707.159966	125.577282	2.8341E-06	0.004838269
1707.199966	120.429113	2.71792E-06	0.004640028
1707.239966	110.755883	2.49961E-06	0.004267427
1707.279966	99.547826	2.24666E-06	0.00383567
1707.319966	107.081367	2.41668E-06	0.004126041
1707.359966	119.428294	2.69533E-06	0.004601899
1707.399966	118.370881	2.67147E-06	0.004561261
1707.439966	113.967411	2.57209E-06	0.004391682
1707.479966	114.772572	2.59026E-06	0.004422812
1707.519966	117.415019	2.64989E-06	0.004524746
1707.559966	106.590603	2.4056E-06	0.004107709
1707.599966	96.449302	2.17673E-06	0.003716978
1707.639966	97.074429	2.19083E-06	0.003741157
1707.679966	106.13183	2.39525E-06	0.004090316
1707.719966	111.910054	2.52565E-06	0.00431311
1707.759966	98.412509	2.22103E-06	0.003792992
1707.799966	79.481168	1.79378E-06	0.003063416
1707.839966	88.583339	1.9992E-06	0.003414318
1707.879966	102.254637	2.30774E-06	0.003941351
1707.919966	115.642372	2.60989E-06	0.004457479
1707.959966	116.013213	2.61826E-06	0.004471877
1707.999966	119.918589	2.7064E-06	0.004622523
1708.039966	146.190583	3.29932E-06	0.005635367
1708.079966	134.114081	3.02677E-06	0.005169962
1708.119966	118.60735	2.6768E-06	0.0045723
1708.159966	104.263272	2.35308E-06	0.004019432
1708.199966	92.192079	2.08065E-06	0.003554161
1708.239966	103.554089	2.33707E-06	0.003992279
1708.279966	113.040992	2.55118E-06	0.004358126
1708.319966	112.81355	2.54604E-06	0.004349459
1708.359966	114.225206	2.5779E-06	0.004403988
1708.399966	110.194037	2.48693E-06	0.004248664
1708.439966	105.729975	2.38618E-06	0.004076642
1708.479966	115.606774	2.60908E-06	0.004457568

1708.519966	118.572946	2.67603E-06	0.004572044
1708.559966	106.900958	2.41261E-06	0.004122082
1708.599966	103.280259	2.33089E-06	0.003982561
1708.639966	120.518544	2.71994E-06	0.004647391
1708.679966	122.711053	2.76942E-06	0.004732048
1708.719966	109.981565	2.48213E-06	0.004241266
1708.759966	113.788633	2.56805E-06	0.004388183
1708.799966	133.721504	3.01791E-06	0.005157001
1708.839966	149.773314	3.38018E-06	0.005776178
1708.879966	136.898852	3.08962E-06	0.005279784
1708.919966	128.205474	2.89342E-06	0.004944621
1708.959966	133.150264	3.00502E-06	0.005135452
1708.999966	122.491145	2.76445E-06	0.004724453
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1709.079966	108.00536	2.43753E-06	0.004165935
1709.119966	111.368252	2.51343E-06	0.004295747
1709.159966	132.706627	2.995E-06	0.00511894
1709.199966	152.084318	3.43233E-06	0.00586654
1709.239966	146.55596	3.30756E-06	0.00565342
1709.279966	145.002032	3.27249E-06	0.005593608
1709.319966	137.936287	3.11303E-06	0.005321164
1709.359966	133.397073	3.01059E-06	0.005146175
1709.399966	150.365289	3.39354E-06	0.005800909
1709.439966	140.700897	3.17542E-06	0.005428195
1709.479966	124.893678	2.81868E-06	0.004818471
1709.519966	110.888635	2.5026E-06	0.004278248
1709.559966	96.792636	2.18447E-06	0.003734491
1709.599966	105.821292	2.38824E-06	0.004082934
1709.639966	117.601112	2.65409E-06	0.004537544
1709.679966	114.111544	2.57534E-06	0.004403005
1709.719966	98.173724	2.21564E-06	0.003788131
1709.759966	94.346939	2.12928E-06	0.003640556
1709.799966	104.461764	2.35756E-06	0.00403095
1709.839966	108.014678	2.43774E-06	0.004168147
1709.879966	117.692705	2.65616E-06	0.004541715
1709.919966	119.75953	2.70281E-06	0.004621582
1709.959966	120.315324	2.71535E-06	0.004643139
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1710.039966	94.027524	2.12207E-06	0.003628825
1710.079966	98.548016	2.22409E-06	0.003803374
1710.119966	102.342468	2.30973E-06	0.00394991
1710.159966	114.416463	2.58222E-06	0.00441601
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1710.319966	115.515981	2.60703E-06	0.004458864

1710.359966	138.872097	3.13415E-06	0.005360524
1710.399966	154.134143	3.47859E-06	0.005949785
1710.439966	141.052879	3.18337E-06	0.005444958
1710.479966	131.304156	2.96335E-06	0.005068754
1710.519966	123.404373	2.78506E-06	0.004763909
1710.559966	106.590155	2.40559E-06	0.004114908
1710.599966	96.149619	2.16996E-06	0.003711939
1710.639966	108.766057	2.4547E-06	0.004199105
1710.679966	120.804103	2.72638E-06	0.004663964
1710.719966	120.995309	2.7307E-06	0.004671455
1710.759966	112.615877	2.54158E-06	0.004348039
1710.799966	103.642675	2.33907E-06	0.004001682
1710.839966	94.826925	2.14011E-06	0.003661388
1710.879966	93.95455	2.12042E-06	0.00362779
1710.919966	102.56757	2.31481E-06	0.00396045
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1710.999966	121.397256	2.73977E-06	0.004687741
1711.039966	118.132311	2.66608E-06	0.004561772
1711.079966	117.597563	2.65401E-06	0.004541229
1711.119966	120.810979	2.72654E-06	0.004665429
1711.159966	125.38588	2.82978E-06	0.004842214
1711.199966	125.781233	2.83871E-06	0.004857596
1711.239966	112.779046	2.54527E-06	0.004355561
1711.279966	124.777998	2.81607E-06	0.004819077
1711.319966	155.544917	3.51043E-06	0.006007473
1711.359966	153.882308	3.47291E-06	0.005943398
1711.399966	153.337554	3.46062E-06	0.005922496
1711.439966	173.471894	3.91502E-06	0.00670032
1711.479966	162.282698	3.66249E-06	0.006268286
1711.519966	133.639603	3.01606E-06	0.005162046
1711.559966	131.949252	2.97791E-06	0.005096873
1711.599966	130.374034	2.94236E-06	0.005036144
1711.639966	119.657017	2.70049E-06	0.00462227
1711.679966	97.911763	2.20973E-06	0.003782354
1711.719966	99.839825	2.25325E-06	0.003856926
1711.759966	120.555235	2.72076E-06	0.004657294
1711.799966	146.080844	3.29684E-06	0.005643533
1711.839966	139.957071	3.15864E-06	0.00540708
1711.879966	114.655795	2.58762E-06	0.004429698
1711.919966	114.975681	2.59484E-06	0.00444216
1711.959966	125.955219	2.84263E-06	0.004866475
1711.999966	127.139534	2.86936E-06	0.004912348
1712.039966	117.061959	2.64193E-06	0.004523082
1712.079966	101.577625	2.29247E-06	0.003924884
1712.119966	85.884432	1.93829E-06	0.003318588
1712.159966	80.418522	1.81493E-06	0.003107457

1712.199966	98.895765	2.23194E-06	0.003821527
1712.239966	133.06	3.00298E-06	0.00514182
1712.279966	149.23371	3.368E-06	0.005766954
1712.319966	154.226542	3.48068E-06	0.005960035
1712.359966	158.565629	3.57861E-06	0.006127861
1712.399966	154.562493	3.48826E-06	0.005973297
1712.439966	151.911386	3.42843E-06	0.005870978
1712.479966	152.456701	3.44074E-06	0.00589219
1712.519966	138.637605	3.12886E-06	0.005358231
1712.559966	114.604824	2.58647E-06	0.004429487
1712.599966	95.790152	2.16185E-06	0.003702385
1712.639966	87.025277	1.96404E-06	0.003363692
1712.679966	94.779646	2.13904E-06	0.003663499
1712.719966	99.039759	2.23519E-06	0.003828254
1712.759966	98.918913	2.23246E-06	0.003823672
1712.799966	104.310025	2.35413E-06	0.004032157
1712.839966	103.469342	2.33516E-06	0.003999754
1712.879966	118.006808	2.66325E-06	0.004561826
1712.919966	148.032512	3.34089E-06	0.005722673
1712.959966	163.131475	3.68165E-06	0.006306519
1712.999966	154.826092	3.49421E-06	0.00598558
1713.039966	130.385754	2.94262E-06	0.005040834
1713.079966	113.414637	2.55961E-06	0.004384817
1713.119966	101.555911	2.29198E-06	0.003926429
1713.159966	99.498311	2.24554E-06	0.003846966
1713.199966	91.632587	2.06802E-06	0.003542932
1713.239966	94.025899	2.12203E-06	0.003635553
1713.279966	106.663286	2.40724E-06	0.004124279
1713.319966	114.27929	2.57912E-06	0.004418865
1713.359966	128.954889	2.91033E-06	0.004986447
1713.399966	136.377894	3.07786E-06	0.005273604
1713.439966	135.520214	3.0585E-06	0.00524056
1713.479966	127.384009	2.87488E-06	0.004926049
1713.519966	106.788843	2.41008E-06	0.004129712
1713.559966	90.321174	2.03842E-06	0.00349296
1713.599966	97.352867	2.19712E-06	0.003764982
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1713.679966	91.402152	2.06282E-06	0.003535012
1713.719966	95.058234	2.14533E-06	0.003676498
1713.759966	106.843515	2.41131E-06	0.004132405
1713.799966	109.808981	2.47824E-06	0.0042472
1713.839966	106.151119	2.39568E-06	0.004105817
1713.879966	104.97193	2.36907E-06	0.004060302
1713.919966	111.115276	2.50772E-06	0.004298026
1713.959966	118.701962	2.67894E-06	0.004591592
1713.999966	112.36964	2.53603E-06	0.004346749

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1714.119966	104.885626	2.36712E-06	0.004057532
1714.159966	115.692062	2.61101E-06	0.004475687
1714.199966	114.564306	2.58556E-06	0.004432161
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1714.279966	107.110429	2.41733E-06	0.004143986
1714.319966	89.915257	2.02926E-06	0.003478805
1714.359966	94.164113	2.12515E-06	0.003643277
1714.399966	105.262816	2.37564E-06	0.004072789
1714.439966	111.342004	2.51283E-06	0.004308103
1714.479966	121.673947	2.74601E-06	0.004707982
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1714.719966	86.930134	1.96189E-06	0.003364095
1714.759966	92.421668	2.08583E-06	0.003576695
1714.799966	96.195166	2.17099E-06	0.003722815
1714.839966	116.886397	2.63796E-06	0.004523685
1714.879966	132.082574	2.98092E-06	0.00511192
1714.919966	124.233215	2.80377E-06	0.004808242
1714.959966	114.545327	2.58513E-06	0.004433392
1714.999966	116.993361	2.64038E-06	0.004528247
1715.039966	106.141026	2.39546E-06	0.004108301
1715.079966	93.840856	2.11786E-06	0.003632295
1715.119966	89.298876	2.01535E-06	0.003456569
1715.159966	97.168712	2.19296E-06	0.003761281
1715.199966	119.382732	2.6943E-06	0.004621267
1715.239966	136.043175	3.0703E-06	0.00526631
1715.279966	151.318783	3.41505E-06	0.005857774
1715.319966	138.503742	3.12584E-06	0.00536181
1715.359966	110.760245	2.4997E-06	0.004287893
1715.399966	106.066004	2.39376E-06	0.004106259
1715.439966	103.411059	2.33384E-06	0.004003569
1715.479966	101.508174	2.2909E-06	0.00392999
1715.519966	107.629765	2.42905E-06	0.00416709
1715.559966	113.276211	2.55649E-06	0.004385806
1715.599966	104.201457	2.35168E-06	0.004034545
1715.639966	91.849704	2.07292E-06	0.003556384
1715.679966	96.960678	2.18827E-06	0.003754367
1715.719966	119.676989	2.70094E-06	0.004634062
1715.759966	131.543287	2.96875E-06	0.00509366
1715.799966	117.215066	2.64538E-06	0.004538944
1715.839966	104.5444	2.35942E-06	0.00404839

1715.879966	104.574195	2.36009E-06	0.004049638
1715.919966	101.765999	2.29672E-06	0.003940982
1715.959966	99.980949	2.25643E-06	0.003871945
1715.999966	94.42436	2.13103E-06	0.003656841
1716.039966	91.282021	2.06011E-06	0.003535228
1716.079966	94.076205	2.12317E-06	0.003643528
1716.119966	94.079947	2.12325E-06	0.003643757
1716.159966	119.77009	2.70304E-06	0.004638856
1716.199966	129.33479	2.91891E-06	0.005009426
1716.239966	108.652185	2.45213E-06	0.004208441
1716.279966	106.261808	2.39818E-06	0.00411595
1716.319966	102.623819	2.31608E-06	0.003975129
1716.359966	95.903393	2.16441E-06	0.0037149
1716.399966	91.70683	2.0697E-06	0.003552425
1716.439966	102.888441	2.32205E-06	0.003985657
1716.479966	109.776192	2.4775E-06	0.004252572
1716.519966	105.938829	2.39089E-06	0.004104014
1716.559966	100.043263	2.25784E-06	0.003875713
1716.599966	102.006917	2.30215E-06	0.003951878
1716.639966	107.359126	2.42295E-06	0.004159326
1716.679966	109.402881	2.46907E-06	0.004238604
1716.719966	116.408057	2.62717E-06	0.004510111
1716.759966	116.03767	2.61881E-06	0.004495866
1716.799966	113.071806	2.55187E-06	0.004381056
1716.839966	101.181	2.28351E-06	0.003920429
1716.879966	85.360532	1.92647E-06	0.003307515
1716.919966	85.735101	1.93492E-06	0.003322106
1716.959966	85.685409	1.9338E-06	0.003320258
1716.999966	83.480096	1.88403E-06	0.003234879
1717.039966	90.444787	2.04121E-06	0.003504844
1717.079966	117.73874	2.6572E-06	0.004562624
1717.119966	125.616515	2.83499E-06	0.004868018
1717.159966	121.507147	2.74225E-06	0.004708877
1717.199966	118.988611	2.68541E-06	0.004611381
1717.239966	110.439831	2.49247E-06	0.004280175
1717.279966	109.687742	2.4755E-06	0.004251126
1717.319966	104.873265	2.36684E-06	0.004064628
1717.359966	110.861617	2.50199E-06	0.004296821
1717.399966	120.859475	2.72763E-06	0.004684432
1717.439966	126.312876	2.85071E-06	0.004895916
1717.479966	111.425064	2.51471E-06	0.004318961
1717.519966	107.699027	2.43062E-06	0.004174633
1717.559966	121.124806	2.73362E-06	0.004695153
1717.599966	97.808899	2.20741E-06	0.003791448
1717.639966	74.253103	1.67579E-06	0.002878402
1717.679966	103.25904	2.33041E-06	0.004002903

1717.719966	136.144676	3.0726E-06	0.005277859
1717.759966	141.430412	3.19189E-06	0.005482896
1717.799966	134.853616	3.04346E-06	0.005228053
1717.839966	111.986138	2.52737E-06	0.004341619
1717.879966	85.718645	1.93455E-06	0.003323325
1717.919966	96.861302	2.18602E-06	0.003755415
1717.959966	105.885938	2.3897E-06	0.004105406
1717.999966	111.381263	2.51372E-06	0.004318571
1718.039966	109.759062	2.47711E-06	0.004255773
1718.079966	112.498718	2.53894E-06	0.004362101
1718.119966	103.811508	2.34288E-06	0.004025351
1718.159966	104.643274	2.36165E-06	0.004057698
1718.199966	113.77137	2.56766E-06	0.004411756
1718.239966	115.297202	2.6021E-06	0.004471027
1718.279966	111.389513	2.51391E-06	0.004319595
1718.319966	104.076131	2.34885E-06	0.004036082
1718.359966	98.266417	2.21774E-06	0.003810869
1718.399966	113.863032	2.56973E-06	0.004415824
1718.439966	121.129095	2.73371E-06	0.004697725
1718.479966	110.786824	2.5003E-06	0.004296723
1718.519966	102.658761	2.31687E-06	0.003981579
1718.559966	91.582072	2.06688E-06	0.003552057
1718.599966	89.096485	2.01078E-06	0.003455733
1718.639966	98.988378	2.23403E-06	0.003839493
1718.679966	100.131902	2.25984E-06	0.003883938
1718.719966	97.065607	2.19064E-06	0.003765089
1718.759966	100.887573	2.27689E-06	0.003913431
1718.799966	105.588153	2.38298E-06	0.004095862
1718.839966	110.263906	2.4885E-06	0.004277338
1718.879966	126.589679	2.85695E-06	0.004910759
1718.919966	133.589561	3.01493E-06	0.005182424
1718.959966	118.377392	2.67161E-06	0.004592396
1718.999966	110.52997	2.49451E-06	0.004288058
1719.039966	112.337126	2.53529E-06	0.004358269
1719.079966	111.353616	2.5131E-06	0.004320213
1719.119966	113.951455	2.57173E-06	0.004421105
1719.159966	121.054956	2.73204E-06	0.004696817
1719.199966	122.682572	2.76877E-06	0.004760077
1719.239966	126.732979	2.86019E-06	0.004917347
1719.279966	134.831731	3.04296E-06	0.005231708
1719.319966	129.43327	2.92113E-06	0.005022355
1719.359966	129.687986	2.92688E-06	0.005032355
1719.399966	115.8495	2.61456E-06	0.004495478
1719.439966	106.60383	2.4059E-06	0.004136801
1719.479966	101.221485	2.28443E-06	0.003928028
1719.519966	95.392747	2.15288E-06	0.003701923

1719.559966	94.041388	2.12238E-06	0.003649565
1719.599966	95.43578	2.15385E-06	0.003703765
1719.639966	93.001213	2.09891E-06	0.003609366
1719.679966	103.14484	2.32784E-06	0.004003132
1719.719966	99.000097	2.23429E-06	0.003842361
1719.759966	96.737635	2.18323E-06	0.003754638
1719.799966	109.27866	2.46627E-06	0.004241486
1719.839966	114.316538	2.57997E-06	0.004437127
1719.879966	118.091869	2.66517E-06	0.004583771
1719.919966	115.911087	2.61595E-06	0.004499228
1719.959966	102.267666	2.30804E-06	0.003969734
1719.999966	100.94452	2.27818E-06	0.003918465
1720.039966	108.345818	2.44521E-06	0.004205866
1720.079966	99.086217	2.23624E-06	0.003846508
1720.119966	87.484291	1.9744E-06	0.003396202
1720.159966	111.521966	2.5169E-06	0.004329463
1720.199966	136.427541	3.07898E-06	0.005296461
1720.239966	133.939633	3.02283E-06	0.005199995
1720.279966	127.566448	2.879E-06	0.004952681
1720.319966	130.958226	2.95554E-06	0.005084483
1720.359966	135.529541	3.05871E-06	0.005262087
1720.399966	132.30927	2.98604E-06	0.005137176
1720.439966	131.952602	2.97799E-06	0.005123447
1720.479966	131.136212	2.95956E-06	0.005091867
1720.519966	125.313401	2.82815E-06	0.004865887
1720.559966	107.922468	2.43566E-06	0.004190699
1720.599966	103.660888	2.33948E-06	0.004025312
1720.639966	103.492695	2.33569E-06	0.004018875
1720.679966	101.518097	2.29112E-06	0.003942288
1720.719966	107.248421	2.42045E-06	0.004164912
1720.759966	110.686045	2.49803E-06	0.00429851
1720.799966	102.209585	2.30673E-06	0.003969417
1720.839966	111.077361	2.50686E-06	0.004313907
1720.879966	117.318651	2.64772E-06	0.004556406
1720.919966	119.812422	2.704E-06	0.004653367
1720.959966	119.441724	2.69563E-06	0.004639077
1720.999966	131.174301	2.96042E-06	0.005094885
1721.039966	131.613125	2.97032E-06	0.005112048
1721.079966	122.093601	2.75548E-06	0.004742406
1721.119966	129.629101	2.92555E-06	0.00503522
1721.159966	121.210357	2.73555E-06	0.004708317
1721.199966	99.117324	2.23694E-06	0.003850221
1721.239966	86.134379	1.94393E-06	0.003345975
1721.279966	86.935464	1.96201E-06	0.003377173
1721.319966	94.05942	2.12279E-06	0.003654001
1721.359966	97.032766	2.18989E-06	0.003769597

1721.399966	106.94443	2.41359E-06	0.004154748
1721.439966	112.561513	2.54036E-06	0.004373071
1721.479966	106.26736	2.39831E-06	0.004128636
1721.519966	110.580022	2.49564E-06	0.004296289
1721.559966	116.26464	2.62393E-06	0.004517255
1721.599966	120.85199	2.72746E-06	0.004695597
1721.639966	121.654242	2.74557E-06	0.004726878
1721.679966	104.534904	2.35921E-06	0.0040618
1721.719966	93.582039	2.11202E-06	0.003636301
1721.759966	89.435571	2.01844E-06	0.003475263
1721.799966	85.52986	1.93029E-06	0.003323573
1721.839966	100.846412	2.27596E-06	0.003918844
1721.879966	121.164376	2.73451E-06	0.0047085
1721.919966	136.307152	3.07626E-06	0.005297078
1721.959966	130.95135	2.95539E-06	0.005089063
1721.999966	108.825597	2.45604E-06	0.004229304
1722.039966	99.107316	2.23671E-06	0.003851711
1722.079966	105.030086	2.37038E-06	0.004081989
1722.119966	110.103111	2.48487E-06	0.004279251
1722.159966	111.959502	2.52677E-06	0.004351502
1722.199966	122.83921	2.77231E-06	0.004774472
1722.239966	138.972127	3.13641E-06	0.005401646
1722.279966	135.784833	3.06447E-06	0.005277883
1722.319966	116.173747	2.62188E-06	0.004515716
1722.359966	105.165546	2.37344E-06	0.004087918
1722.399966	107.088623	2.41684E-06	0.004162767
1722.439966	99.320619	2.24153E-06	0.003860897
1722.479966	94.712833	2.13754E-06	0.003681864
1722.519966	104.227108	2.35226E-06	0.004051816
1722.559966	101.8801	2.29929E-06	0.003960668
1722.599966	101.870456	2.29907E-06	0.003960385
1722.639966	113.16154	2.5539E-06	0.004399447
1722.679966	114.635088	2.58715E-06	0.004456839
1722.719966	112.478038	2.53847E-06	0.004373078
1722.759966	108.990177	2.45976E-06	0.00423757
1722.799966	106.297967	2.399E-06	0.004132992
1722.839966	104.354573	2.35514E-06	0.004057525
1722.879966	107.675588	2.43009E-06	0.00418675
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1723.039966	102.594382	2.31541E-06	0.003989548
1723.079966	99.497157	2.24551E-06	0.003869197
1723.119966	95.055162	2.14526E-06	0.003696545
1723.159966	100.303768	2.26372E-06	0.003900745
1723.199966	124.366785	2.80679E-06	0.004836652

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1723.279966	134.081104	3.02602E-06	0.005214686
1723.319966	130.513771	2.94551E-06	0.005076063
1723.359966	125.599146	2.8346E-06	0.004885032
1723.399966	137.438573	3.1018E-06	0.005345637
1723.439966	145.513627	3.28404E-06	0.005659846
1723.479966	137.565133	3.10465E-06	0.005350808
1723.519966	121.758655	2.74792E-06	0.004736101
1723.559966	107.859545	2.43424E-06	0.004195558
1723.599966	102.644951	2.31655E-06	0.003992812
1723.639966	96.087633	2.16856E-06	0.003737824
1723.679966	88.655273	2.00083E-06	0.003448784
1723.719966	96.90085	2.18692E-06	0.003769633
1723.759966	100.161501	2.26051E-06	0.003896569
1723.799966	97.931753	2.21018E-06	0.003809914
1723.839966	107.744963	2.43165E-06	0.004191782
1723.879966	121.43213	2.74055E-06	0.004724386
1723.919966	114.182822	2.57695E-06	0.004442451
1723.959966	111.75837	2.52223E-06	0.004348225
1723.999966	122.471458	2.76401E-06	0.004765154
1724.039966	121.262706	2.73673E-06	0.004718233
1724.079966	111.16324	2.5088E-06	0.004325371
1724.119966	97.367959	2.19746E-06	0.003788683
1724.159966	93.582908	2.11204E-06	0.003641488
1724.199966	97.891185	2.20927E-06	0.003809219
1724.239966	102.25558	2.30777E-06	0.003979142
1724.279966	127.496099	2.87741E-06	0.004961459
1724.319966	143.450791	3.23748E-06	0.005582459
1724.359966	132.309311	2.98604E-06	0.005149002
1724.399966	135.173426	3.05068E-06	0.005260585
1724.439966	129.442859	2.92135E-06	0.005037684
1724.479966	109.836836	2.47886E-06	0.004274752
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1724.599966	103.852889	2.34382E-06	0.004042143
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1724.679966	102.40304	2.31109E-06	0.003985897
1724.719966	105.443796	2.37972E-06	0.00410435
1724.759966	119.16411	2.68937E-06	0.004638514
1724.799966	120.604401	2.72187E-06	0.004694687
1724.839966	111.710888	2.52116E-06	0.004348596
1724.879966	109.253504	2.4657E-06	0.004253036
1724.919966	107.544956	2.42714E-06	0.004186622
1724.959966	109.411067	2.46926E-06	0.004259367
1724.999966	125.424583	2.83066E-06	0.004882885
1725.039966	129.029499	2.91202E-06	0.005023344

1725.079966	116.715289	2.6341E-06	0.004544036
1725.119966	121.426778	2.74043E-06	0.004727576
1725.159966	127.075726	2.86792E-06	0.004947624
1725.199966	124.998796	2.82105E-06	0.004866873
1725.239966	124.427749	2.80816E-06	0.004844752
1725.279966	142.353864	3.21273E-06	0.005542856
1725.319966	153.792245	3.47088E-06	0.005988373
1725.359966	142.927797	3.22568E-06	0.005565461
1725.399966	136.312052	3.07637E-06	0.005307974
1725.439966	119.878999	2.7055E-06	0.004668181
1725.479966	111.619213	2.51909E-06	0.00434664
1725.519966	97.169437	2.19298E-06	0.003784029
1725.559966	85.43367	1.92812E-06	0.003327085
1725.599966	83.914769	1.89384E-06	0.003268009
1725.639966	83.665729	1.88822E-06	0.003258386
1725.679966	93.125743	2.10172E-06	0.003626893
1725.719966	101.631126	2.29367E-06	0.003958237
1725.759966	99.414617	2.24365E-06	0.003872
1725.799966	92.855235	2.09561E-06	0.003616609
1725.839966	94.458908	2.13181E-06	0.003679156
1725.879966	99.878196	2.25411E-06	0.003890326
1725.919966	104.485461	2.35809E-06	0.004069877
1725.959966	107.395153	2.42376E-06	0.004183311
1725.999966	103.301443	2.33137E-06	0.004023944
1726.039966	102.692498	2.31763E-06	0.004000316
1726.079966	103.431575	2.33431E-06	0.0040292
1726.119966	102.292451	2.3086E-06	0.003984917
1726.159966	112.905344	2.54812E-06	0.004398456
1726.199966	112.600154	2.54123E-06	0.004386669
1726.239966	114.18514	2.577E-06	0.00444852
1726.279966	128.874249	2.90851E-06	0.005020907
1726.319966	138.096598	3.11665E-06	0.005380331
1726.359966	129.626002	2.92548E-06	0.005050429
1726.399966	115.789324	2.6132E-06	0.004511435
1726.439966	110.430962	2.49227E-06	0.00430276
1726.479966	108.887068	2.45743E-06	0.004242703
1726.519966	104.769667	2.36451E-06	0.004082366
1726.559966	106.955492	2.41384E-06	0.004167633
1726.599966	109.551387	2.47242E-06	0.004268884
1726.639966	108.319491	2.44462E-06	0.004220979
1726.679966	101.326458	2.2868E-06	0.003948567
1726.719966	112.775217	2.54518E-06	0.004394812
1726.759966	115.289934	2.60193E-06	0.004492914
1726.799966	99.319904	2.24151E-06	0.003870643
1726.839966	88.817085	2.00448E-06	0.003461413
1726.879966	101.91227	2.30002E-06	0.003971855

1726.919966	102.777897	2.31955E-06	0.004005684
1726.959966	99.035838	2.2351E-06	0.00385993
1726.999966	99.456382	2.24459E-06	0.00387641
1727.039966	109.894883	2.48017E-06	0.00428336
1727.079966	129.197748	2.91581E-06	0.005035843
1727.119966	122.920785	2.77415E-06	0.004791291
1727.159966	111.536321	2.51722E-06	0.004347641
1727.199966	113.721948	2.56655E-06	0.004432938
1727.239966	108.563409	2.45012E-06	0.004231954
1727.279966	98.511403	2.22327E-06	0.003840201
1727.319966	98.660974	2.22664E-06	0.003846121
1727.359966	115.906363	2.61585E-06	0.004518506
1727.399966	129.553019	2.92383E-06	0.005050626
1727.439966	127.847033	2.88533E-06	0.004984233
1727.479966	117.283691	2.64693E-06	0.004572518
1727.519966	103.434665	2.33438E-06	0.004032682
1727.559966	101.602092	2.29302E-06	0.003961326
1727.599966	105.323184	2.377E-06	0.004106501
1727.639966	109.762756	2.47719E-06	0.004279697
1727.679966	94.141803	2.12465E-06	0.003670714
1727.719966	90.451754	2.04137E-06	0.003526916
1727.759966	112.875117	2.54743E-06	0.004401355
1727.799966	110.140626	2.48572E-06	0.004294828
1727.839966	97.28871	2.19567E-06	0.003793768
1727.879966	103.86035	2.34398E-06	0.004050122
1727.919966	108.530722	2.44939E-06	0.004232345
1727.959966	106.914536	2.41291E-06	0.004169416
1727.999966	108.797704	2.45541E-06	0.004242953
1728.039966	103.136462	2.32765E-06	0.004022266
1728.079966	106.563407	2.40499E-06	0.004156011
1728.119966	110.800933	2.50062E-06	0.004321376
1728.159966	110.599615	2.49608E-06	0.004313624
1728.199966	112.180301	2.53175E-06	0.004375376
1728.239966	113.874037	2.56998E-06	0.004441539
1728.279966	111.789895	2.52294E-06	0.00436035
1728.319966	117.161939	2.64418E-06	0.004569992
1728.359966	129.121318	2.91409E-06	0.005036594
1728.399966	133.844496	3.02068E-06	0.00522095
1728.439966	125.782209	2.83873E-06	0.004906573
1728.479966	115.356961	2.60345E-06	0.004500004
1728.519966	104.69315	2.36278E-06	0.00408411
1728.559966	97.329597	2.19659E-06	0.003796943
1728.599966	96.986837	2.18886E-06	0.00378366
1728.639966	83.550477	1.88562E-06	0.003259554
1728.679966	82.626467	1.86476E-06	0.003223581
1728.719966	95.730176	2.1605E-06	0.003734894

1728.759966	107.512921	2.42642E-06	0.004194692
1728.799966	119.522296	2.69745E-06	0.004663354
1728.839966	137.42682	3.10153E-06	0.005362052
1728.879966	148.950268	3.3616E-06	0.005811803
1728.919966	119.471254	2.6963E-06	0.004661687
1728.959966	89.933295	2.02967E-06	0.003509217
1728.999966	95.078352	2.14579E-06	0.003710064
1729.039966	121.408026	2.74001E-06	0.004737587
1729.079966	135.932133	3.0678E-06	0.00530447
1729.119966	146.224716	3.30009E-06	0.005706248
1729.159966	152.279688	3.43674E-06	0.005942674
1729.199966	129.12305	2.91413E-06	0.005039109
1729.239966	116.014384	2.61828E-06	0.00452764
1729.279966	115.14636	2.59869E-06	0.004493868
1729.319966	124.694183	2.81417E-06	0.004866607
1729.359966	132.762814	2.99627E-06	0.005181632
1729.399966	127.679021	2.88154E-06	0.004983331
1729.439966	121.899551	2.7511E-06	0.004757868
1729.479966	114.864719	2.59234E-06	0.004483394
1729.519966	105.045239	2.37072E-06	0.004100216
1729.559966	105.461116	2.38011E-06	0.004116544
1729.599966	97.787961	2.20694E-06	0.00381712
1729.639966	87.948579	1.98488E-06	0.003433122
1729.679966	85.31751	1.9255E-06	0.003330494
1729.719966	89.994678	2.03105E-06	0.003513156
1729.759966	82.374104	1.85907E-06	0.003215743
1729.799966	71.12485	1.60519E-06	0.002776656
1729.839966	73.669729	1.66262E-06	0.002876072
1729.879966	77.882624	1.7577E-06	0.003040614
1729.919966	97.524467	2.20099E-06	0.003807539
1729.959966	116.614808	2.63183E-06	0.004552967
1729.999966	133.718691	3.01784E-06	0.005220871
1730.039966	124.705785	2.81444E-06	0.004869087
1730.079966	110.496149	2.49374E-06	0.004314377
1730.119966	93.467746	2.10944E-06	0.003649579
1730.159966	87.009503	1.96368E-06	0.003397486
1730.199966	111.553889	2.51762E-06	0.004355979
1730.239966	126.190707	2.84795E-06	0.004927634
1730.279966	121.18343	2.73494E-06	0.004732214
1730.319966	113.718933	2.56648E-06	0.004440828
1730.359966	100.612273	2.27068E-06	0.003929092
1730.399966	94.482282	2.13233E-06	0.00368979
1730.439966	98.818058	2.23019E-06	0.003859203
1730.479966	104.457794	2.35747E-06	0.004079549
1730.519966	106.121107	2.39501E-06	0.004144605
1730.559966	96.569893	2.17945E-06	0.003771665

1730.599966	98.107449	2.21415E-06	0.003831805
1730.639966	90.118965	2.03386E-06	0.003519879
1730.679966	94.732935	2.13799E-06	0.003700177
1730.719966	115.489966	2.60645E-06	0.004511031
1730.759966	128.71644	2.90495E-06	0.005027772
1730.799966	126.667509	2.85871E-06	0.004947854
1730.839966	112.667967	2.54276E-06	0.004401109
1730.879966	105.621574	2.38373E-06	0.004125954
1730.919966	107.493009	2.42597E-06	0.004199156
1730.959966	104.086753	2.34909E-06	0.004066186
1730.999966	95.295768	2.15069E-06	0.003722849
1731.039966	95.206735	2.14868E-06	0.003719457
1731.079966	98.284293	2.21814E-06	0.003839777
1731.119966	112.416961	2.53709E-06	0.004392014
1731.159966	117.922507	2.66135E-06	0.004607217
1731.199966	93.034263	2.09965E-06	0.00363492
1731.239966	81.128514	1.83096E-06	0.003169827
1731.279966	83.573247	1.88613E-06	0.003265422
1731.319966	93.602833	2.11249E-06	0.003657388
1731.359966	111.671574	2.52027E-06	0.004363498
1731.399966	125.02939	2.82174E-06	0.004885559
1731.439966	117.026073	2.64112E-06	0.004572933
1731.479966	99.770274	2.25168E-06	0.003898732
1731.519966	96.964336	2.18835E-06	0.003789172
1731.559966	106.548551	2.40465E-06	0.0041638
1731.599966	119.314343	2.69276E-06	0.004662781
1731.639966	123.896289	2.79617E-06	0.004841954
1731.679966	102.821606	2.32054E-06	0.004018433
1731.719966	78.321727	1.76761E-06	0.003061009
1731.759966	72.181877	1.62904E-06	0.002821114
1731.799966	92.609016	2.09006E-06	0.00361956
1731.839966	123.171191	2.7798E-06	0.004814173
1731.879966	124.041685	2.79945E-06	0.004848308
1731.919966	116.851672	2.63718E-06	0.004567384
1731.959966	112.332244	2.53518E-06	0.004390834
1731.999966	106.673224	2.40747E-06	0.004169731
1732.039966	118.072746	2.66474E-06	0.004615432
1732.079966	116.385353	2.62666E-06	0.004549577
1732.119966	108.190399	2.44171E-06	0.004229329
1732.159966	129.541629	2.92357E-06	0.005064098
1732.199966	132.483245	2.98996E-06	0.005179213
1732.239966	113.993483	2.57267E-06	0.004456489
1732.279966	114.373057	2.58124E-06	0.004471431
1732.319966	122.853653	2.77264E-06	0.004803092
1732.359966	116.894753	2.63815E-06	0.004570228
1732.399966	107.660756	2.42975E-06	0.004209305

1732.439966	128.628547	2.90297E-06	0.005029216
1732.479966	134.965583	3.04599E-06	0.005277108
1732.519966	126.151991	2.84707E-06	0.004932614
1732.559966	123.043622	2.77692E-06	0.004811186
1732.599966	121.240835	2.73624E-06	0.004740804
1732.639966	111.91016	2.52566E-06	0.004376053
1732.679966	97.296806	2.19585E-06	0.003804711
1732.719966	90.658378	2.04603E-06	0.003545203
1732.759966	101.896484	2.29966E-06	0.003984762
1732.799966	122.330284	2.76082E-06	0.004783956
1732.839966	129.047851	2.91243E-06	0.005046776
1732.879966	122.966018	2.77517E-06	0.00480904
1732.919966	122.682913	2.76878E-06	0.004798078
1732.959966	132.28259	2.98543E-06	0.005173637
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1733.079966	96.307287	2.17352E-06	0.003766886
1733.119966	98.429453	2.22142E-06	0.00384998
1733.159966	100.88526	2.27684E-06	0.003946128
1733.199966	102.109966	2.30448E-06	0.003994124
1733.239966	101.293488	2.28605E-06	0.003962278
1733.279966	112.132886	2.53068E-06	0.004386382
1733.319966	121.030075	2.73148E-06	0.004734529
1733.359966	122.825274	2.772E-06	0.004804866
1733.399966	128.385658	2.89749E-06	0.005022501
1733.439966	113.612518	2.56408E-06	0.004444672
1733.479966	102.237232	2.30735E-06	0.003999748
1733.519966	97.107351	2.19158E-06	0.003799144
1733.559966	90.919224	2.05192E-06	0.003557127
1733.599966	99.646836	2.24889E-06	0.003898676
1733.639966	107.470689	2.42546E-06	0.004204881
1733.679966	102.888886	2.32206E-06	0.004025707
1733.719966	103.366545	2.33284E-06	0.004044489
1733.759966	122.851928	2.7726E-06	0.004807018
1733.799966	142.726674	3.22114E-06	0.005584816
1733.839966	147.888914	3.33765E-06	0.005786945
1733.879966	136.498216	3.08057E-06	0.005341347
1733.919966	116.024655	2.61851E-06	0.004540295
1733.959966	118.047736	2.66417E-06	0.004619569
1733.999966	120.814241	2.72661E-06	0.00472794
1734.039966	109.045109	2.461E-06	0.004267466
1734.079966	92.301479	2.08312E-06	0.003612289
1734.119966	84.458363	1.90611E-06	0.003305419
1734.159966	84.591368	1.90911E-06	0.003310701
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1734.319966	114.005133	2.57294E-06	0.004462296
1734.359966	113.935607	2.57137E-06	0.004459678
1734.399966	110.039169	2.48343E-06	0.004307262
1734.439966	104.329586	2.35457E-06	0.004083866
1734.479966	100.005934	2.25699E-06	0.003914712
1734.519966	95.952062	2.1655E-06	0.003756111
1734.559966	89.393045	2.01748E-06	0.003499434
1734.599966	100.591787	2.27022E-06	0.003937917
1734.639966	117.032125	2.64125E-06	0.004581621
1734.679966	109.217612	2.46489E-06	0.004275794
1734.719966	96.649388	2.18124E-06	0.003783844
1734.759966	104.676568	2.3624E-06	0.004098204
1734.799966	112.56718	2.54048E-06	0.004407232
1734.839966	114.07909	2.57461E-06	0.00446653
1734.879966	106.612496	2.4061E-06	0.004174287
1734.919966	94.784588	2.13916E-06	0.003711265
1734.959966	102.454995	2.31227E-06	0.00401169
1734.999966	119.495844	2.69685E-06	0.004679043
1735.039966	119.685816	2.70114E-06	0.00468659
1735.079966	103.174294	2.3285E-06	0.004040134
1735.119966	105.346551	2.37752E-06	0.004125291
1735.159966	111.044642	2.50612E-06	0.004348524
1735.199966	126.769634	2.86101E-06	0.004964432
1735.239966	138.297612	3.12118E-06	0.005416004
1735.279966	131.08848	2.95848E-06	0.005133799
1735.319966	119.954794	2.70721E-06	0.00469788
1735.359966	108.342485	2.44514E-06	0.004243196
1735.399966	101.665532	2.29445E-06	0.003981787
1735.439966	111.482077	2.516E-06	0.004366359
1735.479966	118.439689	2.67302E-06	0.004638971
1735.519966	107.051001	2.41599E-06	0.004193002
1735.559966	103.14881	2.32792E-06	0.004040253
1735.599966	96.465213	2.17709E-06	0.00377855
1735.639966	85.002209	1.91838E-06	0.00332962
1735.679966	88.708525	2.00203E-06	0.00347488
1735.719966	98.440387	2.22166E-06	0.003856184
1735.759966	98.457004	2.22204E-06	0.003856924
1735.799966	102.332244	2.3095E-06	0.004008823
1735.839966	90.112991	2.03372E-06	0.003530221
1735.879966	85.215598	1.9232E-06	0.00333844
1735.919966	94.863947	2.14095E-06	0.003716513
1735.959966	108.171231	2.44127E-06	0.004237954
1735.999966	103.806713	2.34277E-06	0.004067054
1736.039966	96.253181	2.1723E-06	0.0037712
1736.079966	103.077208	2.32631E-06	0.004038658

1736.119966	100.150086	2.26025E-06	0.003924062
1736.159966	86.848851	1.96006E-06	0.003402974
1736.199966	74.825619	1.68871E-06	0.002931938
1736.239966	88.374935	1.9945E-06	0.003462929
1736.279966	106.74755	2.40914E-06	0.004182948
1736.319966	125.764004	2.83832E-06	0.004928229
1736.359966	131.217974	2.96141E-06	0.005142068
1736.399966	136.813339	3.08769E-06	0.005361459
1736.439966	150.019633	3.38573E-06	0.005879124
1736.479966	143.916876	3.248E-06	0.005640093
1736.519966	125.692135	2.8367E-06	0.00492598
1736.559966	118.477199	2.67387E-06	0.004643328
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1736.639966	125.692004	2.83669E-06	0.004926315
1736.679966	130.042808	2.93489E-06	0.005096956
1736.719966	112.294173	2.53432E-06	0.004401409
1736.759966	106.088922	2.39428E-06	0.004158288
1736.799966	120.188877	2.7125E-06	0.004711062
1736.839966	126.71471	2.85977E-06	0.004966971
1736.879966	109.345411	2.46777E-06	0.004286227
1736.919966	108.946243	2.45876E-06	0.004270678
1736.959966	107.019728	2.41529E-06	0.004195255
1736.999966	105.349414	2.37759E-06	0.004129873
1737.039966	116.934428	2.63905E-06	0.00458413
1737.079966	137.544394	3.10419E-06	0.005392218
1737.119966	138.065464	3.11595E-06	0.005412771
1737.159966	120.239658	2.71364E-06	0.00471403
1737.199966	107.326432	2.42221E-06	0.00420786
1737.239966	97.358383	2.19724E-06	0.003817139
1737.279966	93.884345	2.11884E-06	0.003681016
1737.319966	97.529537	2.20111E-06	0.003824025
1737.359966	98.902866	2.2321E-06	0.003877961
1737.399966	100.92499	2.27774E-06	0.003957339
1737.439966	99.795764	2.25225E-06	0.003913152
1737.479966	101.263713	2.28538E-06	0.003970804
1737.519966	107.975249	2.43685E-06	0.004234077
1737.559966	94.961851	2.14316E-06	0.003723863
1737.599966	84.857777	1.91512E-06	0.003327716
1737.639966	85.474356	1.92904E-06	0.003351972
1737.679966	96.060036	2.16794E-06	0.003767188
1737.719966	94.852861	2.1407E-06	0.003719932
1737.759966	89.266238	2.01461E-06	0.003500917
1737.799966	90.237986	2.03655E-06	0.003539109
1737.839966	92.34121	2.08401E-06	0.00362168
1737.879966	97.010569	2.18939E-06	0.003804903
1737.919966	91.024126	2.05429E-06	0.003570188

1737.959966	85.358736	1.92643E-06	0.003348054
1737.999966	91.438158	2.06363E-06	0.003586592
1738.039966	87.714367	1.97959E-06	0.003440608
1738.079966	73.757575	1.66461E-06	0.002893218
1738.119966	69.734835	1.57382E-06	0.002735485
1738.159966	85.198662	1.92282E-06	0.00334216
1738.199966	109.626561	2.47412E-06	0.004300513
1738.239966	126.505245	2.85505E-06	0.004962757
1738.279966	131.834829	2.97533E-06	0.005171954
1738.319966	129.359289	2.91946E-06	0.005074954
1738.359966	126.950025	2.86509E-06	0.004980549
1738.399966	115.559351	2.60801E-06	0.004533771
1738.439966	108.025765	2.43799E-06	0.004238301
1738.479966	106.649947	2.40694E-06	0.004184418
1738.519966	98.073002	2.21337E-06	0.00384799
1738.559966	96.116246	2.16921E-06	0.003771301
1738.599966	96.615707	2.18048E-06	0.003790986
1738.639966	84.344117	1.90353E-06	0.003309552
1738.679966	104.421238	2.35664E-06	0.004097446
1738.719966	134.552281	3.03666E-06	0.005279897
1738.759966	115.711903	2.61146E-06	0.004540696
1738.799966	94.23397	2.12673E-06	0.003697957
1738.839966	107.332785	2.42235E-06	0.004212082
1738.879966	124.644347	2.81305E-06	0.004891555
1738.919966	130.965299	2.9557E-06	0.005139733
1738.959966	129.938743	2.93254E-06	0.005099563
1738.999966	125.456492	2.83138E-06	0.004923767
1739.039966	105.729797	2.38617E-06	0.004149652
1739.079966	98.962341	2.23344E-06	0.003884135
1739.119966	117.018408	2.64094E-06	0.004592916
1739.159966	130.891277	2.95403E-06	0.005137537
1739.199966	131.614688	2.97036E-06	0.00516605
1739.239966	122.869148	2.77299E-06	0.004822887
1739.279966	114.434065	2.58262E-06	0.004491895
1739.319966	112.018531	2.5281E-06	0.004397179
1739.359966	116.178396	2.62198E-06	0.004560575
1739.399966	115.523522	2.6072E-06	0.004534972
1739.439966	109.20675	2.46464E-06	0.004287101
1739.479966	132.428376	2.98872E-06	0.005198826
1739.519966	140.089669	3.16163E-06	0.005499716
1739.559966	115.90419	2.6158E-06	0.004550334
1739.599966	101.226366	2.28454E-06	0.003974182
1739.639966	102.150421	2.30539E-06	0.004010553
1739.679966	90.728619	2.04762E-06	0.003562201
1739.719966	85.845194	1.93741E-06	0.003370545
1739.759966	89.887602	2.02864E-06	0.003529343

1739.799966	88.892919	2.00619E-06	0.003490368
1739.839966	88.181332	1.99013E-06	0.003462507
1739.879966	88.094769	1.98818E-06	0.003459188
1739.919966	88.599703	1.99957E-06	0.003479095
1739.959966	98.084974	2.21364E-06	0.003851647
1739.999966	96.268696	2.17265E-06	0.003780412
1740.039966	108.722347	2.45371E-06	0.004269557
1740.079966	113.839112	2.56919E-06	0.004470596
1740.119966	126.297261	2.85035E-06	0.004959957
1740.159966	131.362156	2.96466E-06	0.005158984
1740.199966	128.735764	2.90539E-06	0.005055954
1740.239966	137.862342	3.11136E-06	0.005414515
1740.279966	133.737375	3.01827E-06	0.005252628
1740.319966	118.892028	2.68323E-06	0.004669674
1740.359966	117.556325	2.65308E-06	0.004617319
1740.399966	137.979117	3.114E-06	0.005419599
1740.439966	142.322955	3.21203E-06	0.005590347
1740.479966	119.752045	2.70264E-06	0.004703885
1740.519966	104.844376	2.36619E-06	0.004118404
1740.559966	101.026773	2.28003E-06	0.003968535
1740.599966	113.607441	2.56396E-06	0.004462832
1740.639966	115.951713	2.61687E-06	0.004555026
1740.679966	91.890784	2.07385E-06	0.003609904
1740.719966	77.705448	1.7537E-06	0.003052707
1740.759966	83.06194	1.87459E-06	0.003263215
1740.799966	107.535951	2.42694E-06	0.004224811
1740.839966	127.490256	2.87728E-06	0.00500888
1740.879966	116.579574	2.63104E-06	0.004580322
1740.919966	118.193016	2.66745E-06	0.00464382
1740.959966	109.442066	2.46995E-06	0.004300093
1740.999966	116.246681	2.62353E-06	0.004567558
1741.039966	112.840388	2.54665E-06	0.00443382
1741.079966	96.12059	2.16931E-06	0.003776938
1741.119966	86.639515	1.95533E-06	0.00340447
1741.159966	84.2054	1.9004E-06	0.003308898
1741.199966	94.316391	2.12859E-06	0.0037063
1741.239966	120.198465	2.71271E-06	0.004723482
1741.279966	148.138658	3.34328E-06	0.005821592
1741.319966	148.968002	3.362E-06	0.005854318
1741.359966	132.816712	2.99749E-06	0.005219706
1741.399966	124.626451	2.81265E-06	0.004897941
1741.439966	108.537077	2.44953E-06	0.004265711
1741.479966	88.252313	1.99173E-06	0.003468561
1741.519966	70.63179	1.59406E-06	0.002776089
1741.559966	72.939397	1.64614E-06	0.002866853
1741.599966	87.112915	1.96602E-06	0.003424015

1741.639966	102.861315	2.32144E-06	0.004043107
1741.679966	103.276096	2.3308E-06	0.004059504
1741.719966	102.025694	2.30258E-06	0.004010446
1741.759966	112.049472	2.5288E-06	0.004404563
1741.799966	123.168499	2.77974E-06	0.004841754
1741.839966	117.681842	2.65592E-06	0.004626179
1741.879966	107.852114	2.43407E-06	0.004239861
1741.919966	105.445276	2.37975E-06	0.004145339
1741.959966	112.968335	2.54954E-06	0.004441193
1741.999966	108.404973	2.44655E-06	0.004261889
1742.039966	106.521109	2.40403E-06	0.004187922
1742.079966	112.577117	2.54071E-06	0.004426118
1742.119966	110.07708	2.48429E-06	0.004327925
1742.159966	117.915642	2.66119E-06	0.004636222
1742.199966	109.817599	2.47843E-06	0.004317921
1742.239966	104.463257	2.35759E-06	0.004107488
1742.279966	127.14153	2.86941E-06	0.004999311
1742.319966	126.288016	2.85014E-06	0.004965864
1742.359966	112.28834	2.53419E-06	0.004415474
1742.399966	104.33679	2.35474E-06	0.004102892
1742.439966	97.585259	2.20236E-06	0.003837486
1742.479966	98.696403	2.22744E-06	0.00388127
1742.519966	101.476316	2.29018E-06	0.003990683
1742.559966	95.095374	2.14617E-06	0.00373983
1742.599966	93.414781	2.10824E-06	0.003673822
1742.639966	109.95416	2.48151E-06	0.004324382
1742.679966	119.448229	2.69578E-06	0.004697882
1742.719966	112.145914	2.53098E-06	0.004410784
1742.759966	98.761985	2.22892E-06	0.003884473
1742.799966	108.48682	2.4484E-06	0.004267065
1742.839966	104.984799	2.36936E-06	0.004129416
1742.879966	88.02976	1.98671E-06	0.003462595
1742.919966	78.173933	1.76428E-06	0.003074993
1742.959966	70.459264	1.59017E-06	0.002771598
1742.999966	78.55747	1.77293E-06	0.003090222
1743.039966	89.585088	2.02181E-06	0.003524097
1743.079966	99.672827	2.24948E-06	0.003921018
1743.119966	116.654813	2.63274E-06	0.004589176
1743.159966	120.07445	2.70991E-06	0.004723812
1743.199966	104.061326	2.34852E-06	0.004093939
1743.239966	86.625115	1.95501E-06	0.003408048
1743.279966	96.330744	2.17405E-06	0.003789979
1743.319966	96.988357	2.18889E-06	0.003815939
1743.359966	89.284373	2.01502E-06	0.003512912
1743.399966	85.437264	1.9282E-06	0.003361624
1743.439966	101.278181	2.28571E-06	0.003984994

1743.479965	112.655782	2.54248E-06	0.00443277
1743.519965	105.696364	2.38542E-06	0.004159027
1743.559965	94.231231	2.12667E-06	0.003707973
1743.599965	79.285229	1.78936E-06	0.003119923
1743.639965	68.579992	1.54775E-06	0.002698727
1743.679965	73.741628	1.66425E-06	0.002901912
1743.719965	87.049897	1.96459E-06	0.003425703
1743.759965	109.596671	2.47344E-06	0.004313093
1743.799965	121.874022	2.75053E-06	0.004796369
1743.839965	117.186583	2.64474E-06	0.004612
1743.879965	110.035622	2.48335E-06	0.004330666
1743.919965	119.31192	2.6927E-06	0.00469586
1743.959965	117.871517	2.6602E-06	0.004639275
1743.999965	111.215933	2.50999E-06	0.00437742
1744.039965	94.848434	2.1406E-06	0.003733287
1744.079965	98.712466	2.2278E-06	0.003885466
1744.119965	99.7723	2.25172E-06	0.003927273
1744.159965	92.000843	2.07633E-06	0.003621453
1744.199965	92.868226	2.09591E-06	0.00365568
1744.239965	99.818133	2.25276E-06	0.003929347
1744.279965	100.923657	2.27771E-06	0.003972958
1744.319965	103.218197	2.32949E-06	0.004063378
1744.359965	104.492803	2.35826E-06	0.004113649
1744.399965	101.49443	2.29059E-06	0.003995701
1744.439965	92.980008	2.09843E-06	0.003660584
1744.479965	107.855504	2.43415E-06	0.004246323
1744.519965	110.30996	2.48954E-06	0.004343056
1744.559965	98.082594	2.21359E-06	0.003861736
1744.599965	86.660684	1.95581E-06	0.003412108
1744.639965	77.870804	1.75744E-06	0.003066092
1744.679965	82.94268	1.8719E-06	0.003265868
1744.719965	82.613046	1.86446E-06	0.003252963
1744.759965	81.125828	1.8309E-06	0.003194476
1744.799965	94.299004	2.1282E-06	0.003713278
1744.839965	105.122654	2.37247E-06	0.004139584
1744.879965	109.38762	2.46873E-06	0.004307631
1744.919965	114.264324	2.57879E-06	0.004499776
1744.959965	108.975814	2.45943E-06	0.004291611
1744.999965	83.797077	1.89118E-06	0.003300115
1745.039965	78.764342	1.7776E-06	0.003101986
1745.079965	86.861833	1.96035E-06	0.003420969
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1745.159965	103.423123	2.33412E-06	0.004073405
1745.199965	97.110181	2.19164E-06	0.003824853
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1745.279965	94.957411	2.14306E-06	0.003740234

1745.319965	99.319513	2.2415E-06	0.00391214
1745.359965	111.423982	2.51468E-06	0.004389029
1745.399965	99.7147	2.25042E-06	0.003927886
1745.439965	89.434496	2.01841E-06	0.003523017
1745.479965	87.601914	1.97705E-06	0.003450907
1745.519965	90.07866	2.03295E-06	0.003548555
1745.559965	91.716397	2.06991E-06	0.003613154
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1745.639965	74.11694	1.67272E-06	0.00291996
1745.679965	80.516707	1.81715E-06	0.003172162
1745.719965	99.986174	2.25655E-06	0.003939302
1745.759965	110.446997	2.49263E-06	0.004351542
1745.799965	113.070381	2.55184E-06	0.004455004
1745.839965	122.994662	2.77582E-06	0.004846134
1745.879965	124.143713	2.80175E-06	0.00489152
1745.919965	106.341734	2.39998E-06	0.004190181
1745.959965	93.989379	2.12121E-06	0.003703547
1745.999965	89.455665	2.01889E-06	0.003524981
1746.039965	94.073838	2.12312E-06	0.003707044
1746.079965	102.045985	2.30304E-06	0.004021285
1746.119965	98.701401	2.22755E-06	0.003889575
1746.159965	117.594541	2.65394E-06	0.004634212
1746.199965	117.500144	2.65181E-06	0.004630599
1746.239965	118.869093	2.68271E-06	0.004684655
1746.279965	115.074366	2.59707E-06	0.004535208
1746.319965	133.367919	3.00993E-06	0.005256298
1746.359965	141.448	3.19228E-06	0.005574878
1746.399965	115.210903	2.60015E-06	0.004540901
1746.439965	111.780975	2.52274E-06	0.004405816
1746.479965	107.564726	2.42759E-06	0.00423973
1746.519965	97.949484	2.21058E-06	0.003860828
1746.559965	105.431019	2.37943E-06	0.004155819
1746.599965	114.455613	2.5831E-06	0.004511649
1746.639965	99.644398	2.24884E-06	0.003927906
1746.679965	80.584426	1.81868E-06	0.003176649
1746.719965	79.211347	1.78769E-06	0.003122593
1746.759965	86.621531	1.95493E-06	0.003414789
1746.799965	93.801614	2.11697E-06	0.003697926
1746.839965	104.95066	2.36859E-06	0.004137548
1746.879965	112.635764	2.54203E-06	0.004440625
1746.919965	104.130838	2.35009E-06	0.004105416
1746.959965	94.392038	2.1303E-06	0.003721543
1746.999965	87.014198	1.96379E-06	0.00343074
1747.039965	81.971263	1.84998E-06	0.003231984
1747.079965	90.961617	2.05288E-06	0.00358654
1747.119965	101.116166	2.28205E-06	0.003987017

1747.159965	99.126088	2.23714E-06	0.003908637
1747.199965	104.463074	2.35759E-06	0.004119174
1747.239965	101.59095	2.29277E-06	0.004006013
1747.279965	92.919734	2.09707E-06	0.003664167
1747.319965	104.382558	2.35577E-06	0.004116282
1747.359965	109.873134	2.47968E-06	0.0043329
1747.399965	104.997798	2.36965E-06	0.004140733
1747.439965	103.990079	2.34691E-06	0.004101086
1747.479965	113.765704	2.56753E-06	0.004486713
1747.519965	120.266861	2.71426E-06	0.004743216
1747.559965	133.638165	3.01603E-06	0.005270688
1747.599965	117.241953	2.64599E-06	0.004624128
1747.639965	100.314368	2.26396E-06	0.003956579
1747.679965	92.378238	2.08485E-06	0.003643647
1747.719965	93.80393	2.11702E-06	0.003699965
1747.759965	109.684301	2.47542E-06	0.004326443
1747.799965	127.643937	2.88075E-06	0.005034968
1747.839965	123.436176	2.78578E-06	0.004869102
1747.879965	106.346683	2.4001E-06	0.004195081
1747.919965	94.568924	2.13429E-06	0.003730566
1747.959965	83.475041	1.88392E-06	0.003293009
1747.999965	72.923584	1.64578E-06	0.00287683
1748.039965	73.819328	1.666E-06	0.002912234
1748.079965	81.626558	1.8422E-06	0.003220309
1748.119965	83.292264	1.87979E-06	0.003286099
1748.159965	105.334207	2.37725E-06	0.004155807
1748.199965	121.032067	2.73153E-06	0.004775252
1748.239965	126.459512	2.85402E-06	0.004989503
1748.279965	119.047856	2.68674E-06	0.004697181
1748.319965	114.844134	2.59187E-06	0.004531422
1748.359965	124.310463	2.80551E-06	0.004905048
1748.399965	127.210236	2.87096E-06	0.005019583
1748.439965	117.50934	2.65202E-06	0.004636901
1748.479965	99.711162	2.25034E-06	0.003934678
1748.519965	88.232847	1.99129E-06	0.003481815
1748.559965	84.783875	1.91345E-06	0.003345789
1748.599965	91.101345	2.05603E-06	0.003595175
1748.639965	101.115505	2.28204E-06	0.00399046
1748.679965	94.605177	2.13511E-06	0.003733619
1748.719965	96.032692	2.16732E-06	0.003790043
1748.759965	106.296047	2.39895E-06	0.004195194
1748.799965	103.922986	2.3454E-06	0.00410163
1748.839965	84.988182	1.91806E-06	0.003354389
1748.879965	81.752686	1.84504E-06	0.003226761
1748.919965	105.756126	2.38677E-06	0.004174267
1748.959965	124.334658	2.80606E-06	0.004907687

1748.999965	117.603542	2.65415E-06	0.004642105
1749.039965	113.610866	2.56404E-06	0.004484607
1749.079965	113.609923	2.56402E-06	0.004484672
1749.119965	113.698641	2.56602E-06	0.004488277
1749.159965	111.31585	2.51224E-06	0.004394316
1749.199965	107.222959	2.41987E-06	0.004232841
1749.239965	93.94122	2.12012E-06	0.003708603
1749.279965	99.885018	2.25427E-06	0.003943342
1749.319965	116.259104	2.62381E-06	0.004589876
1749.359965	127.349973	2.87411E-06	0.005027856
1749.399965	119.550939	2.6981E-06	0.004720053
1749.439965	103.467357	2.33511E-06	0.004085142
1749.479965	93.097439	2.10108E-06	0.003675797
1749.519965	84.395744	1.90469E-06	0.003332301
1749.559965	92.650734	2.091E-06	0.003658326
1749.599965	87.984727	1.98569E-06	0.003474168
1749.639965	82.03942	1.85152E-06	0.003239485
1749.679965	93.906745	2.11934E-06	0.003708174
1749.719965	111.009941	2.50534E-06	0.004383643
1749.759965	106.848317	2.41142E-06	0.004219402
1749.799965	85.972985	1.94029E-06	0.00339512
1749.839965	78.756888	1.77743E-06	0.003110224
1749.879965	83.338848	1.88084E-06	0.003291247
1749.919965	91.317942	2.06092E-06	0.003606443
1749.959965	95.078184	2.14578E-06	0.003755033
1749.999965	102.663835	2.31698E-06	0.004054714
1750.039965	105.198177	2.37418E-06	0.004154903
1750.079965	106.294383	2.39892E-06	0.004198295
1750.119965	104.453396	2.35737E-06	0.004125676
1750.159965	100.217325	2.26177E-06	0.003958451
1750.199965	91.338091	2.06137E-06	0.003607816
1750.239965	99.330201	2.24174E-06	0.00392359
1750.279965	103.996946	2.34707E-06	0.004108023
1750.319965	90.979548	2.05328E-06	0.0035939
1750.359965	93.510332	2.1104E-06	0.003693956
1750.399965	106.823476	2.41086E-06	0.004219964
1750.439965	103.050749	2.32571E-06	0.004071019
1750.479965	97.489668	2.20021E-06	0.003851417
1750.519965	90.396339	2.04012E-06	0.00357127
1750.559965	85.424034	1.9279E-06	0.003374907
1750.599965	102.402441	2.31108E-06	0.004045777
1750.639965	107.626192	2.42897E-06	0.004252258
1750.679965	92.364645	2.08454E-06	0.003649365
1750.719965	79.610757	1.7967E-06	0.003145525
1750.759965	70.975327	1.60181E-06	0.002804392
1750.799965	75.37788	1.70117E-06	0.002978415

1750.839965	92.714114	2.09243E-06	0.003663507
1750.879965	90.948224	2.05257E-06	0.003593812
1750.919965	79.688458	1.79846E-06	0.003148955
1750.959965	98.768023	2.22906E-06	0.003902989
1750.999965	117.32756	2.64792E-06	0.004636507
1751.039965	112.109142	2.53015E-06	0.004430389
1751.079965	94.67013	2.13657E-06	0.00374131
1751.119965	85.200382	1.92285E-06	0.003367148
1751.159965	103.87037	2.34421E-06	0.004105086
1751.199965	111.646989	2.51972E-06	0.004412528
1751.239965	128.040265	2.88969E-06	0.005060541
1751.279965	136.105296	3.07171E-06	0.005379419
1751.319965	116.592928	2.63134E-06	0.004608318
1751.359965	112.170058	2.53152E-06	0.004433606
1751.399965	106.094966	2.39442E-06	0.004193579
1751.439965	109.558373	2.47258E-06	0.004330575
1751.479965	101.935131	2.30053E-06	0.004029339
1751.519965	89.822613	2.02717E-06	0.003550631
1751.559965	91.266679	2.05976E-06	0.003607796
1751.599965	109.398302	2.46897E-06	0.004324643
1751.639965	109.755093	2.47702E-06	0.004338846
1751.679965	90.713032	2.04727E-06	0.003586156
1751.719965	77.126741	1.74064E-06	0.003049119
1751.759965	77.339	1.74543E-06	0.003057581
1751.799965	89.506789	2.02004E-06	0.003538712
1751.839965	94.925623	2.14234E-06	0.003753035
1751.879965	91.267278	2.05978E-06	0.003608479
1751.919965	92.083354	2.07819E-06	0.003640828
1751.959965	100.000348	2.25687E-06	0.003953943
1751.999965	85.560867	1.93099E-06	0.003383094
1752.039965	96.332814	2.1741E-06	0.003809106
1752.079965	124.260137	2.80438E-06	0.004913495
1752.119965	120.772619	2.72567E-06	0.0047757
1752.159965	106.137947	2.39539E-06	0.004197099
1752.199965	109.719898	2.47623E-06	0.004338842
1752.239965	115.799822	2.61344E-06	0.004579375
1752.279965	113.892994	2.57041E-06	0.004504071
1752.319965	108.579773	2.45049E-06	0.00429405
1752.359965	98.590901	2.22506E-06	0.003899105
1752.399965	98.277211	2.21798E-06	0.003886788
1752.439965	103.083306	2.32645E-06	0.004076958
1752.479965	104.364169	2.35535E-06	0.004127711
1752.519965	90.489808	2.04223E-06	0.003579047
1752.559965	81.67449	1.84328E-06	0.003230458
1752.599965	86.64658	1.95549E-06	0.003427196
1752.639965	97.853766	2.20842E-06	0.003870571

1752.679965	95.872615	2.16371E-06	0.003792294
1752.719965	106.518941	2.40398E-06	0.004213511
1752.759965	113.034518	2.55103E-06	0.004471346
1752.799965	122.753658	2.77038E-06	0.00485592
1752.839965	111.780918	2.52274E-06	0.004421959
1752.879965	101.011519	2.27969E-06	0.003996022
1752.919965	112.675481	2.54293E-06	0.00445755
1752.959965	147.297397	3.3243E-06	0.00582736
1752.999965	143.347395	3.23515E-06	0.00567122
1753.039965	105.025539	2.37028E-06	0.004155196
1753.079965	86.617603	1.95484E-06	0.003426988
1753.119965	83.728774	1.88964E-06	0.003312769
1753.159965	95.678619	2.15933E-06	0.003785656
1753.199965	107.26345	2.42079E-06	0.004244123
1753.239965	124.17104	2.80237E-06	0.004913223
1753.279965	133.258022	3.00745E-06	0.005272898
1753.319965	118.735437	2.67969E-06	0.00469836
1753.359965	110.34826	2.49041E-06	0.004366579
1753.399965	116.784605	2.63567E-06	0.004621376
1753.439965	123.015097	2.77628E-06	0.004868039
1753.479965	111.466487	2.51564E-06	0.00441113
1753.519965	95.343622	2.15177E-06	0.003773176
1753.559965	82.632632	1.8649E-06	0.00327022
1753.599965	80.030391	1.80617E-06	0.003167307
1753.639965	87.668111	1.97855E-06	0.003469659
1753.679965	101.516328	2.29108E-06	0.004017825
1753.719965	119.749745	2.70258E-06	0.004739577
1753.759965	118.884119	2.68305E-06	0.004705424
1753.799965	98.426885	2.22136E-06	0.003895817
1753.839965	93.781909	2.11653E-06	0.00371205
1753.879965	108.399916	2.44644E-06	0.004290754
1753.919965	114.908135	2.59332E-06	0.00454847
1753.959965	112.77813	2.54525E-06	0.004464258
1753.999965	104.564669	2.35988E-06	0.004139228
1754.039965	91.995346	2.07621E-06	0.00364175
1754.079965	71.525014	1.61422E-06	0.002831471
1754.119965	67.479835	1.52293E-06	0.002671395
1754.159965	80.790849	1.82334E-06	0.003198425
1754.199965	86.090226	1.94294E-06	0.003408299
1754.239965	98.154838	2.21522E-06	0.003886024
1754.279965	125.411708	2.83037E-06	0.004965257
1754.319965	130.898004	2.95419E-06	0.005182587
1754.359965	109.60824	2.47371E-06	0.00433977
1754.399965	95.974003	2.166E-06	0.00380003
1754.439965	92.646391	2.0909E-06	0.003668359
1754.479965	103.779637	2.34216E-06	0.004109276

1754.519965	121.969818	2.75269E-06	0.004829648
1754.559965	115.975817	2.61741E-06	0.004592407
1754.599965	99.735605	2.25089E-06	0.003949418
1754.639965	95.918472	2.16475E-06	0.00379835
1754.679965	100.050589	2.258E-06	0.003962072
1754.719965	108.856772	2.45675E-06	0.004310901
1754.759965	113.274907	2.55646E-06	0.004485968
1754.799965	104.522172	2.35892E-06	0.004139432
1754.839965	118.352513	2.67105E-06	0.004687268
1754.879965	135.575649	3.05975E-06	0.0053695
1754.919965	117.365727	2.64878E-06	0.004648399
1754.959965	101.989838	2.30177E-06	0.004039512
1754.999965	112.268072	2.53373E-06	0.004446703
1755.039965	119.572539	2.69859E-06	0.004736126
1755.079965	103.43209	2.33432E-06	0.004096915
1755.119965	89.294924	2.01526E-06	0.003537027
1755.159965	97.196036	2.19358E-06	0.003850082
1755.199965	99.688576	2.24983E-06	0.003948906
1755.239965	100.085071	2.25878E-06	0.003964702
1755.279965	97.564616	2.2019E-06	0.003864947
1755.319965	92.328148	2.08372E-06	0.003657591
1755.359965	98.75434	2.22875E-06	0.003912255
1755.399965	109.890495	2.48008E-06	0.004353524
1755.439965	120.979973	2.73035E-06	0.004792965
1755.479965	106.78789	2.41005E-06	0.004230801
1755.519965	92.798089	2.09432E-06	0.003676627
1755.559965	81.959164	1.8497E-06	0.003247267
1755.599965	75.899283	1.71294E-06	0.003007239
1755.639965	85.623871	1.93241E-06	0.003392619
1755.679965	84.954988	1.91732E-06	0.003366193
1755.719965	94.204213	2.12606E-06	0.003732762
1755.759965	110.336174	2.49013E-06	0.004372077
1755.799965	103.311157	2.33159E-06	0.004093804
1755.839965	87.66094	1.97839E-06	0.003473728
1755.879965	94.876427	2.14123E-06	0.003759741
1755.919965	107.45229	2.42505E-06	0.004258191
1755.959965	109.810564	2.47827E-06	0.004351745
1755.999965	114.93199	2.59385E-06	0.004554809
1756.039965	112.097923	2.52989E-06	0.004442595
1756.079965	102.384065	2.31067E-06	0.004057714
1756.119965	109.935027	2.48108E-06	0.004357075
1756.159965	112.313004	2.53475E-06	0.004451423
1756.199965	103.712862	2.34065E-06	0.004110658
1756.239965	90.83476	2.05001E-06	0.003600317
1756.279965	105.405857	2.37886E-06	0.00417795
1756.319965	115.688546	2.61093E-06	0.004585627

1756.359965	111.569773	2.51797E-06	0.004422469
1756.399965	116.21534	2.62282E-06	0.004606718
1756.439965	110.52846	2.49447E-06	0.004381393
1756.479965	101.769938	2.29681E-06	0.004034293
1756.519965	103.111156	2.32708E-06	0.004087554
1756.559965	104.827992	2.36582E-06	0.004155708
1756.599965	113.712163	2.56633E-06	0.004508007
1756.639965	114.191452	2.57714E-06	0.004527111
1756.679965	103.45957	2.33494E-06	0.004101739
1756.719965	100.25136	2.26253E-06	0.003974638
1756.759965	115.287427	2.60188E-06	0.004570873
1756.799965	118.423815	2.67266E-06	0.00469533
1756.839965	118.0978	2.6653E-06	0.004682511
1756.879965	118.009	2.6633E-06	0.004679096
1756.919965	110.631021	2.49679E-06	0.004386657
1756.959965	104.083625	2.34902E-06	0.004127138
1756.999965	96.797647	2.18459E-06	0.003838321
1757.039965	90.358765	2.03927E-06	0.003583081
1757.079965	87.97249	1.98542E-06	0.003488536
1757.119965	82.566586	1.86341E-06	0.00327424
1757.159965	84.099409	1.89801E-06	0.003335101
1757.199965	89.209845	2.01334E-06	0.003537844
1757.239965	99.958461	2.25592E-06	0.003964198
1757.279965	104.500807	2.35844E-06	0.004144435
1757.319965	101.764533	2.29668E-06	0.004036008
1757.359965	94.485582	2.13241E-06	0.003747408
1757.399965	90.152144	2.03461E-06	0.003575621
1757.439965	97.420639	2.19865E-06	0.003863992
1757.479965	94.990227	2.1438E-06	0.00376768
1757.519965	85.517351	1.93001E-06	0.003392027
1757.559965	86.734278	1.95747E-06	0.003440374
1757.599965	93.085708	2.10081E-06	0.003692392
1757.639965	109.571336	2.47287E-06	0.004346419
1757.679965	119.717521	2.70186E-06	0.004749001
1757.719965	120.344753	2.71601E-06	0.004773991
1757.759965	112.682093	2.54308E-06	0.00447012
1757.799965	102.589704	2.31531E-06	0.004069846
1757.839965	103.895581	2.34478E-06	0.004121745
1757.879965	111.764646	2.52237E-06	0.004434028
1757.919965	115.806769	2.6136E-06	0.004594495
1757.959965	100.024256	2.25741E-06	0.003968433
1757.999965	84.971359	1.91769E-06	0.003371291
1758.039965	70.236687	1.58514E-06	0.002786747
1758.079965	71.105397	1.60475E-06	0.002821278
1758.119965	102.124887	2.30482E-06	0.004052144
1758.159965	118.203786	2.66769E-06	0.004690234

1758.199965	115.974365	2.61738E-06	0.004601877
1758.239965	104.03754	2.34798E-06	0.004128316
1758.279965	101.767777	2.29676E-06	0.004038342
1758.319965	99.566958	2.24709E-06	0.003951099
1758.359965	89.468601	2.01918E-06	0.003550448
1758.399965	99.85207	2.25352E-06	0.003962593
1758.439965	116.857893	2.63732E-06	0.004637569
1758.479965	114.466441	2.58335E-06	0.004542766
1758.519965	121.449145	2.74094E-06	0.004819994
1758.559965	132.188393	2.98331E-06	0.005246326
1758.599965	128.600867	2.90234E-06	0.005104059
1758.639965	111.576294	2.51812E-06	0.004428469
1758.679965	105.62425	2.38379E-06	0.004192328
1758.719965	94.977248	2.1435E-06	0.003769824
1758.759965	109.488586	2.471E-06	0.004345904
1758.799965	112.30236	2.53451E-06	0.004457692
1758.839965	99.63579	2.24864E-06	0.003955
1758.879965	92.549159	2.08871E-06	0.003673782
1758.919965	89.438614	2.0185E-06	0.003550389
1758.959965	94.502932	2.1328E-06	0.003751509
1758.999965	104.706744	2.36309E-06	0.004156667
1759.039965	102.895138	2.3222E-06	0.004084843
1759.079965	99.455145	2.24456E-06	0.003948368
1759.119965	105.600123	2.38325E-06	0.004192419
1759.159965	106.806701	2.41048E-06	0.004240417
1759.199965	100.196567	2.2613E-06	0.003978074
1759.239965	103.048891	2.32567E-06	0.004091411
1759.279965	123.841721	2.79494E-06	0.004917073
1759.319965	139.178661	3.14107E-06	0.005526145
1759.359965	129.131732	2.91432E-06	0.005127344
1759.399965	122.878573	2.7732E-06	0.004879165
1759.439965	132.315978	2.98619E-06	0.005254017
1759.479965	125.004795	2.82118E-06	0.004963817
1759.519965	110.151813	2.48597E-06	0.004374119
1759.559965	98.374697	2.22018E-06	0.00390654
1759.599965	90.078509	2.03295E-06	0.003577173
1759.639965	86.958373	1.96253E-06	0.003453345
1759.679965	96.302785	2.17342E-06	0.003824523
1759.719965	103.598091	2.33806E-06	0.004114339
1759.759965	101.330653	2.28689E-06	0.00402438
1759.799965	89.870256	2.02825E-06	0.003569308
1759.839965	95.446302	2.15409E-06	0.003790854
1759.879965	110.554935	2.49507E-06	0.004391025
1759.919965	117.392405	2.64938E-06	0.004662702
1759.959965	126.483354	2.85455E-06	0.005023899
1759.999965	140.989146	3.18193E-06	0.005600194

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1760.079965	114.241933	2.57828E-06	0.004537981
1760.119965	120.488849	2.71927E-06	0.004786233
1760.159965	127.493038	2.87734E-06	0.005064579
1760.199965	127.846874	2.88533E-06	0.00507875
1760.239965	119.001179	2.68569E-06	0.00472746
1760.279965	116.740947	2.63468E-06	0.004637775
1760.319965	111.476022	2.51586E-06	0.004428716
1760.359965	109.395548	2.46891E-06	0.004346162
1760.399965	114.03682	2.57365E-06	0.004530657
1760.439965	108.714693	2.45354E-06	0.004319308
1760.479965	107.270486	2.42095E-06	0.004262026
1760.519965	96.170588	2.17044E-06	0.003821096
1760.559965	81.109942	1.83054E-06	0.003222773
1760.599965	77.676385	1.75305E-06	0.003086416
1760.639965	90.461493	2.04159E-06	0.003594505
1760.679965	111.315556	2.51224E-06	0.004423245
1760.719965	104.937619	2.3683E-06	0.004169906
1760.759965	94.331998	2.12894E-06	0.003748555
1760.799965	95.561209	2.15668E-06	0.003797488
1760.839965	89.005923	2.00874E-06	0.003537069
1760.879965	90.169089	2.03499E-06	0.003583374
1760.919965	105.216037	2.37458E-06	0.004181444
1760.959965	127.604809	2.87986E-06	0.005071323
1760.999965	130.374852	2.94238E-06	0.005181529
1761.039965	103.824968	2.34318E-06	0.004126442
1761.079965	88.037975	1.98689E-06	0.00349908
1761.119965	94.152438	2.12489E-06	0.003742185
1761.159965	102.052292	2.30318E-06	0.004056265
1761.199965	100.213249	2.26167E-06	0.003983259
1761.239965	96.341645	2.1743E-06	0.003829458
1761.279965	104.107217	2.34955E-06	0.004138224
1761.319965	110.765986	2.49983E-06	0.004403008
1761.359965	110.789178	2.50036E-06	0.004404029
1761.399965	89.8495	2.02778E-06	0.003571728
1761.439965	72.545961	1.63726E-06	0.002883937
1761.479965	78.645325	1.77492E-06	0.003126478
1761.519965	66.698444	1.50529E-06	0.0026516
1761.559965	61.727934	1.39311E-06	0.002454053
1761.599965	78.154156	1.76383E-06	0.003107164
1761.639965	83.568591	1.88603E-06	0.0033225
1761.679965	79.277394	1.78918E-06	0.003151963
1761.719965	87.438955	1.97338E-06	0.003476535
1761.759965	105.150032	2.37309E-06	0.004180815
1761.799965	98.236725	2.21707E-06	0.003906027
1761.839965	87.311159	1.97049E-06	0.00347169

1761.879965	81.025966	1.82864E-06	0.00322185
1761.919965	81.682923	1.84347E-06	0.003248046
1761.959965	75.967328	1.71448E-06	0.003020839
1761.999965	74.728689	1.68652E-06	0.002971652
1762.039965	100.493932	2.26801E-06	0.003996321
1762.079965	127.437432	2.87609E-06	0.005067892
1762.119965	134.120051	3.0269E-06	0.005333766
1762.159965	107.412868	2.42416E-06	0.004271756
1762.199965	79.155856	1.78644E-06	0.00314806
1762.239965	80.477414	1.81626E-06	0.003200691
1762.279965	91.065163	2.05521E-06	0.003621862
1762.319965	105.82834	2.3884E-06	0.004209122
1762.359965	101.263337	2.28537E-06	0.004027649
1762.399965	103.839583	2.34351E-06	0.00413021
1762.439965	109.6931	2.47562E-06	0.004363132
1762.479965	105.989972	2.39205E-06	0.004215933
1762.519965	88.334749	1.99359E-06	0.003513746
1762.559965	83.963214	1.89493E-06	0.003339933
1762.599965	105.145803	2.37299E-06	0.00418264
1762.639965	92.876367	2.09609E-06	0.003694652
1762.679965	81.778946	1.84564E-06	0.003253267
1762.719965	93.129085	2.10179E-06	0.003704874
1762.759965	97.383767	2.19782E-06	0.003874222
1762.799965	84.606215	1.90944E-06	0.003365969
1762.839965	72.559123	1.63756E-06	0.002886753
1762.879965	65.424169	1.47653E-06	0.002602949
1762.919965	78.496299	1.77155E-06	0.003123105
1762.959965	93.398443	2.10787E-06	0.003716095
1762.999965	100.462787	2.26731E-06	0.003997259
1763.039965	102.864058	2.3215E-06	0.004092895
1763.079965	98.135738	2.21479E-06	0.003904846
1763.119965	109.435029	2.4698E-06	0.004354547
1763.159965	128.126319	2.89163E-06	0.005098411
1763.199965	128.134916	2.89183E-06	0.005098869
1763.239965	123.343881	2.7837E-06	0.00490833
1763.279965	109.9474	2.48136E-06	0.004375332
1763.319965	85.487028	1.92932E-06	0.003402014
1763.359965	87.259018	1.96931E-06	0.00347261
1763.399965	107.679357	2.43017E-06	0.004285367
1763.439965	109.347725	2.46783E-06	0.004351863
1763.479965	112.960626	2.54936E-06	0.004495752
1763.519965	122.395528	2.7623E-06	0.004871365
1763.559965	113.814959	2.56865E-06	0.00452996
1763.599965	95.767529	2.16134E-06	0.003811739
1763.639965	92.7051	2.09222E-06	0.003689932
1763.679965	101.351354	2.28736E-06	0.004034169

1763.719965	104.970827	2.36905E-06	0.004178333
1763.759965	112.599285	2.54121E-06	0.004482083
1763.799965	111.35318	2.51309E-06	0.004432581
1763.839965	103.718373	2.34078E-06	0.00412876
1763.879965	100.832048	2.27564E-06	0.004013954
1763.919965	88.92579	2.00693E-06	0.003540066
1763.959965	82.58147	1.86375E-06	0.003287578
1763.999965	83.329452	1.88063E-06	0.003317431
1764.039965	90.672766	2.04636E-06	0.003609857
1764.079965	93.258446	2.10471E-06	0.003712882
1764.119965	109.029039	2.46063E-06	0.004340853
1764.159965	112.999842	2.55025E-06	0.004499047
1764.199965	97.650402	2.20383E-06	0.003888003
1764.239965	84.362308	1.90394E-06	0.003359007
1764.279965	82.900832	1.87096E-06	0.003300891
1764.319965	83.201817	1.87775E-06	0.00331295
1764.359965	85.169673	1.92216E-06	0.003391384
1764.399965	94.176751	2.12544E-06	0.003750123
1764.439965	96.501721	2.17791E-06	0.00384279
1764.479965	96.657	2.18141E-06	0.003849061
1764.519965	82.883411	1.87056E-06	0.003300646
1764.559965	77.459736	1.74816E-06	0.00308473
1764.599965	92.577689	2.08935E-06	0.003686866
1764.639965	98.305612	2.21862E-06	0.003915067
1764.679965	109.25598	2.46576E-06	0.004351269
1764.719965	104.870752	2.36679E-06	0.004176716
1764.759965	92.40695	2.0855E-06	0.0036804
1764.799965	78.025256	1.76092E-06	0.003107674
1764.839965	76.756299	1.73228E-06	0.003057202
1764.879965	104.603933	2.36077E-06	0.004166467
1764.919965	124.552148	2.81097E-06	0.004961134
1764.959965	108.609581	2.45117E-06	0.004326212
1764.999965	92.160329	2.07993E-06	0.003671077
1765.039965	82.937199	1.87178E-06	0.003303761
1765.079965	89.249062	2.01423E-06	0.003555272
1765.119965	95.19446	2.14841E-06	0.003792195
1765.159965	95.886547	2.16403E-06	0.003819852
1765.199965	97.665795	2.20418E-06	0.00389082
1765.239965	106.420291	2.40176E-06	0.004239679
1765.279965	116.500546	2.62926E-06	0.004641371
1765.319965	112.552238	2.54015E-06	0.004484173
1765.359965	111.22255	2.51014E-06	0.004431297
1765.399965	105.06728	2.37122E-06	0.004186156
1765.439965	104.158863	2.35072E-06	0.004150056
1765.479965	99.901962	2.25465E-06	0.003980536
1765.519965	108.339654	2.44508E-06	0.004316829

1765.559965	113.543857	2.56253E-06	0.004524295
1765.599965	100.633136	2.27115E-06	0.004009942
1765.639965	82.251793	1.85631E-06	0.003277572
1765.679965	79.000421	1.78293E-06	0.003148083
1765.719965	80.912072	1.82607E-06	0.003224333
1765.759965	76.859612	1.73461E-06	0.003062913
1765.799965	80.898509	1.82577E-06	0.003223939
1765.839965	87.573931	1.97642E-06	0.003490044
1765.879965	90.209494	2.0359E-06	0.00359516
1765.919965	96.747641	2.18346E-06	0.003855815
1765.959965	96.078945	2.16837E-06	0.003829251
1765.999965	99.546721	2.24663E-06	0.00396755
1766.039965	92.835804	2.09517E-06	0.003700162
1766.079965	102.517607	2.31368E-06	0.004086143
1766.119965	118.335573	2.67067E-06	0.004716722
1766.159965	113.496171	2.56145E-06	0.004523931
1766.199965	115.32473	2.60272E-06	0.004596921
1766.239965	132.128085	2.98195E-06	0.005266834
1766.279965	136.918843	3.09007E-06	0.005457924
1766.319965	116.799037	2.63599E-06	0.004656005
1766.359965	98.68698	2.22723E-06	0.003934086
1766.399965	109.104865	2.46234E-06	0.004349486
1766.439965	126.150385	2.84704E-06	0.005029123
1766.479965	113.420946	2.55975E-06	0.004521752
1766.519965	119.684207	2.70111E-06	0.004771557
1766.559965	124.697371	2.81425E-06	0.004971534
1766.599965	114.327016	2.5802E-06	0.004558184
1766.639965	101.629846	2.29364E-06	0.004052043
1766.679965	76.102601	1.71753E-06	0.003034325
1766.719965	62.505057	1.41065E-06	0.002492227
1766.759965	89.09374	2.01072E-06	0.003552462
1766.799965	122.586925	2.76662E-06	0.004888057
1766.839965	131.253265	2.9622E-06	0.005233739
1766.879965	118.488418	2.67412E-06	0.004724846
1766.919965	113.121273	2.55299E-06	0.004510928
1766.959965	110.01792	2.48295E-06	0.004387275
1766.999965	106.026878	2.39288E-06	0.004228217
1767.039965	96.263519	2.17253E-06	0.003838954
1767.079965	88.236608	1.99138E-06	0.003518923
1767.119965	85.952381	1.93983E-06	0.003427904
1767.159965	85.332258	1.92583E-06	0.00340325
1767.199965	89.662671	2.02356E-06	0.003576038
1767.239965	92.947282	2.09769E-06	0.003707123
1767.279965	85.527564	1.93024E-06	0.003411271
1767.319965	81.529615	1.84001E-06	0.003251886
1767.359965	95.896223	2.16424E-06	0.003824999

1767.399965	114.193698	2.57719E-06	0.00455493
1767.439965	114.714152	2.58894E-06	0.004575794
1767.479965	99.800147	2.25235E-06	0.003980984
1767.519965	79.284598	1.78934E-06	0.003162699
1767.559965	74.485852	1.68104E-06	0.002971342
1767.599965	82.403188	1.85973E-06	0.00328725
1767.639965	80.187941	1.80973E-06	0.003198951
1767.679965	76.447696	1.72532E-06	0.00304981
1767.719965	86.461103	1.95131E-06	0.003449364
1767.759965	100.888109	2.2769E-06	0.00402502
1767.799965	104.194151	2.35152E-06	0.004157011
1767.839965	104.088455	2.34913E-06	0.004152888
1767.879965	98.636609	2.22609E-06	0.003935461
1767.919965	92.874899	2.09606E-06	0.003705661
1767.959965	92.620012	2.0903E-06	0.003695575
1767.999965	90.350166	2.03908E-06	0.003605089
1768.039965	95.716895	2.1602E-06	0.003819315
1768.079965	104.135876	2.3502E-06	0.004155344
1768.119965	104.584823	2.36033E-06	0.004173353
1768.159965	94.453475	2.13168E-06	0.003769157
1768.199965	72.933211	1.646E-06	0.002910459
1768.239965	67.545487	1.52441E-06	0.002695518
1768.279965	82.916145	1.8713E-06	0.003308986
1768.319965	99.4162	2.24369E-06	0.003967553
1768.359965	114.569693	2.58568E-06	0.00457241
1768.399965	112.578453	2.54074E-06	0.004493043
1768.439965	103.181424	2.32866E-06	0.004118097
1768.479965	107.384417	2.42352E-06	0.004285941
1768.519965	118.706415	2.67904E-06	0.004737933
1768.559965	102.327419	2.30939E-06	0.00408429
1768.599965	81.149259	1.83143E-06	0.00323906
1768.639965	97.49415	2.20031E-06	0.003891551
1768.679965	117.137014	2.64362E-06	0.004675716
1768.719965	115.087386	2.59736E-06	0.004594006
1768.759965	104.917229	2.36784E-06	0.004188133
1768.799965	103.143126	2.3278E-06	0.004117407
1768.839965	97.417343	2.19857E-06	0.003888925
1768.879965	88.722472	2.00234E-06	0.003541904
1768.919965	98.349334	2.21961E-06	0.003926308
1768.959965	102.732998	2.31854E-06	0.004101406
1768.999965	88.915145	2.00669E-06	0.003549836
1769.039965	79.802403	1.80103E-06	0.003186092
1769.079965	89.834257	2.02743E-06	0.003586693
1769.119965	103.896537	2.3448E-06	0.004148233
1769.159965	99.713822	2.2504E-06	0.003981321
1769.199965	104.828863	2.36584E-06	0.004185647

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1769.279965	101.370696	2.2878E-06	0.004047751
1769.319965	106.219355	2.39722E-06	0.004241454
1769.359965	102.822871	2.32057E-06	0.004105922
1769.399965	101.217312	2.28433E-06	0.0040419
1769.439965	118.086285	2.66504E-06	0.004715634
1769.479965	121.618777	2.74477E-06	0.004856809
1769.519965	118.269412	2.66918E-06	0.00472316
1769.559965	109.055513	2.46123E-06	0.004355296
1769.599965	91.893179	2.0739E-06	0.003669975
1769.639965	91.969127	2.07562E-06	0.003673091
1769.679965	90.503863	2.04255E-06	0.003614653
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1769.759965	71.060758	1.60374E-06	0.002838239
1769.799965	77.842031	1.75679E-06	0.00310916
1769.839965	93.871485	2.11855E-06	0.003749492
1769.879965	89.432141	2.01836E-06	0.003572253
1769.919965	76.526252	1.72709E-06	0.003056813
1769.959965	70.331913	1.58729E-06	0.002809446
1769.999965	82.359151	1.85873E-06	0.003289954
1770.039965	88.439407	1.99595E-06	0.003532919
1770.079965	77.134363	1.74082E-06	0.003081382
1770.119965	73.690632	1.66309E-06	0.002943878
1770.159965	85.784422	1.93603E-06	0.003427092
1770.199965	89.031333	2.00931E-06	0.003556886
1770.239965	92.015567	2.07666E-06	0.003676192
1770.279965	114.073197	2.57447E-06	0.004557538
1770.319965	132.301712	2.98587E-06	0.005285937
1770.359965	120.976124	2.73026E-06	0.004833548
1770.399965	109.601593	2.47356E-06	0.004379182
1770.439965	110.578091	2.49559E-06	0.004418298
1770.479965	119.428276	2.69533E-06	0.004772027
1770.519965	119.762005	2.70286E-06	0.00478547
1770.559965	102.443477	2.31201E-06	0.004093546
1770.599965	82.352126	1.85857E-06	0.003290789
1770.639965	78.041051	1.76128E-06	0.003118589
1770.679965	88.845581	2.00512E-06	0.003550428
1770.719965	97.773636	2.20661E-06	0.003907297
1770.759965	101.459753	2.28981E-06	0.004054696
1770.799965	97.260816	2.19504E-06	0.003886979
1770.839965	91.364676	2.06197E-06	0.003651425
1770.879965	84.040779	1.89668E-06	0.003358798
1770.919965	69.946278	1.57859E-06	0.002795557
1770.959965	77.964527	1.75955E-06	0.003116094
1770.999965	95.630946	2.15826E-06	0.003822274
1771.039965	103.979936	2.34668E-06	0.004156068

1771.079965	106.826841	2.41093E-06	0.004269955
1771.119965	110.539051	2.49471E-06	0.004418435
1771.159965	98.038317	2.21259E-06	0.003918848
1771.199965	87.833517	1.98228E-06	0.003511015
1771.239965	100.474441	2.26757E-06	0.004016407
1771.279965	110.468585	2.49312E-06	0.004416017
1771.319965	97.547289	2.20151E-06	0.003899572
1771.359965	100.172941	2.26076E-06	0.004004626
1771.399965	104.45466	2.3574E-06	0.004175892
1771.439965	102.145503	2.30528E-06	0.004083668
1771.479965	98.381939	2.22034E-06	0.003933294
1771.519965	91.464063	2.06422E-06	0.003656801
1771.559965	104.881774	2.36704E-06	0.004193345
1771.599965	105.5867	2.38294E-06	0.004221625
1771.639965	87.648555	1.97811E-06	0.003504491
1771.679965	81.429443	1.83775E-06	0.003255903
1771.719965	79.287224	1.7894E-06	0.00317032
1771.759965	105.071727	2.37132E-06	0.004201414
1771.799965	125.048987	2.82218E-06	0.005000341
1771.839965	112.90276	2.54806E-06	0.004514751
1771.879965	107.010794	2.41508E-06	0.00427924
1771.919965	101.624687	2.29353E-06	0.004063947
1771.959965	97.981267	2.2113E-06	0.003918336
1771.999965	113.067274	2.55177E-06	0.004521738
1772.039965	112.828858	2.54639E-06	0.004512305
1772.079965	111.600666	2.51867E-06	0.004463287
1772.119965	91.921747	2.07455E-06	0.003676344
1772.159965	81.955966	1.84963E-06	0.003277844
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1772.239965	102.712258	2.31807E-06	0.004108181
1772.279965	93.9462	2.12023E-06	0.00375765
1772.319965	91.887778	2.07378E-06	0.0036754
1772.359965	101.810405	2.29772E-06	0.004072385
1772.399965	102.716538	2.31817E-06	0.004108723
1772.439965	88.440178	1.99597E-06	0.00353774
1772.479965	88.327292	1.99342E-06	0.003533304
1772.519965	93.84333	2.11791E-06	0.003754044
1772.559965	94.354308	2.12945E-06	0.003774569
1772.599965	91.073432	2.0554E-06	0.003643403
1772.639965	86.818641	1.95938E-06	0.003473268
1772.679965	80.977727	1.82755E-06	0.003239669
1772.719965	68.780621	1.55228E-06	0.002751763
1772.759965	68.862003	1.55412E-06	0.002755081
1772.799965	79.787935	1.8007E-06	0.003192285
1772.839965	89.681973	2.024E-06	0.003588223
1772.879965	104.151164	2.35055E-06	0.004167237

1772.919965	113.054293	2.55148E-06	0.004523566
1772.959965	118.87289	2.6828E-06	0.004756489
1772.999965	109.065485	2.46146E-06	0.004364162
1773.039965	95.542758	2.15627E-06	0.003823148
1773.079965	94.706966	2.1374E-06	0.003789789
1773.119965	87.34416	1.97124E-06	0.003495238
1773.159965	94.134397	2.12448E-06	0.003767047
1773.199965	107.778395	2.43241E-06	0.004313146
1773.239965	110.833487	2.50136E-06	0.004435507
1773.279965	110.817802	2.501E-06	0.004434979
1773.319965	93.125847	2.10172E-06	0.003727023
1773.359965	90.604154	2.04481E-06	0.003626183
1773.399965	95.661298	2.15894E-06	0.003828668
1773.439965	96.001078	2.16661E-06	0.003842354
1773.479965	91.872982	2.07345E-06	0.003677214
1773.519965	87.30451	1.97034E-06	0.003494439
1773.559965	83.412351	1.8825E-06	0.003338728
1773.599965	93.739663	2.11557E-06	0.003752181
1773.639965	99.229423	2.23947E-06	0.003972013
1773.679965	95.249797	2.14966E-06	0.0038128
1773.719965	90.926955	2.05209E-06	0.003639841
1773.759965	108.484042	2.44833E-06	0.004342756
1773.799965	115.353805	2.60337E-06	0.004617866
1773.839965	116.283818	2.62436E-06	0.004655201
1773.879965	125.380348	2.82966E-06	0.005019477
1773.919965	102.971451	2.32392E-06	0.004122452
1773.959965	74.355988	1.67811E-06	0.002976902
1773.999965	75.728888	1.7091E-06	0.003031935
1774.039965	85.98963	1.94067E-06	0.003442819
1774.079965	93.636978	2.11326E-06	0.003749085
1774.119965	102.552478	2.31447E-06	0.004106141
1774.159965	113.559357	2.56288E-06	0.004546953
1774.199965	107.004739	2.41495E-06	0.004284601
1774.239965	107.036742	2.41567E-06	0.004285979
1774.279965	112.007052	2.52784E-06	0.004485101
1774.319965	117.747769	2.6574E-06	0.004715083
1774.359965	117.164683	2.64424E-06	0.00469184
1774.399965	97.206463	2.19381E-06	0.003892704
1774.439965	75.843537	1.71168E-06	0.003037279
1774.479965	83.791439	1.89106E-06	0.003355641
1774.519965	106.182795	2.3964E-06	0.004252456
1774.559965	98.660719	2.22664E-06	0.003951297
1774.599965	79.868434	1.80252E-06	0.003198751
1774.639965	82.564793	1.86337E-06	0.003306815
1774.679965	94.106647	2.12386E-06	0.003769165
1774.719965	97.576164	2.20216E-06	0.003908214

1774.759965	104.586147	2.36036E-06	0.004189079
1774.799965	101.96005	2.3011E-06	0.004083986
1774.839965	93.664283	2.11387E-06	0.003751785
1774.879965	82.085543	1.85256E-06	0.003288065
1774.919965	78.190638	1.76465E-06	0.003132119
1774.959965	85.954086	1.93986E-06	0.003443181
1774.999965	105.155805	2.37322E-06	0.004212466
1775.039965	106.027142	2.39288E-06	0.004247466
1775.079965	100.604981	2.27051E-06	0.004030344
1775.119965	110.456367	2.49285E-06	0.004425101
1775.159965	113.70834	2.56624E-06	0.004555484
1775.199965	102.631805	2.31626E-06	0.004111819
1775.239965	95.70283	2.15988E-06	0.003834305
1775.279965	94.909166	2.14197E-06	0.003802592
1775.319965	92.902677	2.09668E-06	0.003722285
1775.359965	81.513825	1.83965E-06	0.003266047
1775.399965	85.390654	1.92715E-06	0.003421459
1775.439965	94.164286	2.12516E-06	0.003773088
1775.479965	110.375095	2.49101E-06	0.004422742
1775.519965	117.830883	2.65928E-06	0.004721603
1775.559965	100.350918	2.26478E-06	0.004021253
1775.599965	85.500271	1.92962E-06	0.003426237
1775.639965	93.05998	2.10023E-06	0.00372926
1775.679965	81.810863	1.84636E-06	0.00327854
1775.719965	68.958576	1.5563E-06	0.002763551
1775.759965	66.371416	1.49791E-06	0.002659929
1775.799965	76.454651	1.72547E-06	0.003064098
1775.839965	87.368512	1.97179E-06	0.003501576
1775.879965	87.136452	1.96655E-06	0.003492354
1775.919965	88.224965	1.99111E-06	0.00353606
1775.959965	105.671122	2.38485E-06	0.004235398
1775.999965	105.065599	2.37118E-06	0.004211223
1776.039965	94.303195	2.12829E-06	0.003779931
1776.079965	81.776362	1.84558E-06	0.003277895
1776.119965	67.589327	1.5254E-06	0.002709288
1776.159965	65.115225	1.46956E-06	0.002610174
1776.199965	93.661675	2.11381E-06	0.003754556
1776.239965	118.385113	2.67179E-06	0.004745735
1776.279965	121.329347	2.73823E-06	0.004863871
1776.319965	123.516185	2.78759E-06	0.004951649
1776.359965	132.570944	2.99194E-06	0.005314765
1776.399965	138.321922	3.12173E-06	0.005545447
1776.439965	124.448534	2.80863E-06	0.004989363
1776.479965	117.605117	2.65418E-06	0.004715104
1776.519965	110.59454	2.49596E-06	0.004434131
1776.559965	97.960834	2.21084E-06	0.003927689

1776.599965	95.876057	2.16379E-06	0.003844188
1776.639965	91.624812	2.06784E-06	0.003673815
1776.679965	89.376681	2.01711E-06	0.003583754
1776.719965	83.951145	1.89466E-06	0.003366281
1776.759965	82.700897	1.86644E-06	0.003316223
1776.799965	81.380888	1.83665E-06	0.003263365
1776.839965	85.367191	1.92662E-06	0.003423293
1776.879965	85.117486	1.92098E-06	0.003413356
1776.919965	74.003676	1.67016E-06	0.00296774
1776.959965	77.726688	1.75418E-06	0.003117113
1776.999965	91.699078	2.06952E-06	0.003677538
1777.039965	111.898033	2.52538E-06	0.004487706
1777.079965	108.939454	2.45861E-06	0.00436915
1777.119965	107.112609	2.41738E-06	0.004295979
1777.159965	102.430747	2.31172E-06	0.004108295
1777.199965	90.282841	2.03756E-06	0.003621148
1777.239965	88.772302	2.00347E-06	0.003560642
1777.279965	91.262522	2.05967E-06	0.003660607
1777.319965	94.316971	2.1286E-06	0.003783208
1777.359965	95.514622	2.15563E-06	0.003831334
1777.399965	112.935606	2.5488E-06	0.004530236
1777.439965	107.963726	2.43659E-06	0.004330894
1777.479965	95.314326	2.15111E-06	0.003823558
1777.519965	92.675532	2.09156E-06	0.003717786
1777.559965	80.622893	1.81955E-06	0.003234353
1777.599965	81.20433	1.83267E-06	0.003257752
1777.639965	95.28079	2.15035E-06	0.003822556
1777.679965	113.168384	2.55405E-06	0.004540288
1777.719965	126.527831	2.85556E-06	0.005076381
1777.759965	129.410643	2.92062E-06	0.005192158
1777.799965	117.432503	2.65029E-06	0.004711682
1777.839965	93.277429	2.10514E-06	0.003742605
1777.879965	80.099157	1.80773E-06	0.003213921
1777.919965	90.076068	2.03289E-06	0.003614318
1777.959965	100.120267	2.25957E-06	0.004017434
1777.999965	86.700597	1.95671E-06	0.003479033
1778.039965	72.456753	1.63525E-06	0.002907536
1778.079965	77.131509	1.74075E-06	0.003095194
1778.119965	86.606437	1.95459E-06	0.00347549
1778.159965	95.206266	2.14867E-06	0.003820684
1778.199965	96.45562	2.17687E-06	0.003870908
1778.239965	106.799255	2.41031E-06	0.00428611
1778.279965	116.45892	2.62832E-06	0.004673881
1778.319965	111.459685	2.51549E-06	0.004473346
1778.359965	123.195091	2.78034E-06	0.004944448
1778.399965	114.551535	2.58527E-06	0.004597642

1778.439965	105.993494	2.39213E-06	0.004254252
1778.479965	96.694622	2.18226E-06	0.003881111
1778.519965	99.893914	2.25447E-06	0.004009614
1778.559965	107.150081	2.41823E-06	0.004300964
1778.599965	101.297051	2.28613E-06	0.004066117
1778.639965	101.400742	2.28847E-06	0.00407037
1778.679965	103.577078	2.33759E-06	0.004157825
1778.719965	108.406821	2.44659E-06	0.0043518
1778.759965	108.097268	2.4396E-06	0.004339471
1778.799965	108.997567	2.45992E-06	0.004375711
1778.839965	92.543838	2.08859E-06	0.003715259
1778.879965	83.760373	1.89035E-06	0.003362715
1778.919965	97.091102	2.19121E-06	0.003897989
1778.959965	100.470957	2.26749E-06	0.004033773
1778.999965	87.321568	1.97073E-06	0.003505922
1779.039965	77.604702	1.75143E-06	0.003115864
1779.079965	85.313091	1.9254E-06	0.003425436
1779.119965	92.24956	2.08194E-06	0.003704028
1779.159965	109.163366	2.46367E-06	0.004383254
1779.199965	126.41977	2.85312E-06	0.005076268
1779.239965	120.861629	2.72768E-06	0.004853195
1779.279965	104.105276	2.34951E-06	0.004180438
1779.319965	86.570191	1.95377E-06	0.00347638
1779.359965	84.683896	1.9112E-06	0.003400708
1779.399965	92.091785	2.07838E-06	0.003698275
1779.439965	99.884369	2.25425E-06	0.004011304
1779.479965	99.673502	2.24949E-06	0.004002926
1779.519965	98.19642	2.21616E-06	0.003943695
1779.559965	84.334437	1.90331E-06	0.003387056
1779.599965	63.18529	1.426E-06	0.002537717
1779.639965	64.341146	1.45209E-06	0.002584197
1779.679965	83.244366	1.87871E-06	0.003343501
1779.719965	100.197299	2.26131E-06	0.004024505
1779.759965	96.436639	2.17644E-06	0.003873542
1779.799965	85.128185	1.92122E-06	0.003419395
1779.839965	72.343776	1.6327E-06	0.002905942
1779.879965	67.707402	1.52806E-06	0.002719767
1779.919965	81.544519	1.84035E-06	0.003275669
1779.959965	87.337832	1.97109E-06	0.003508467
1779.999965	76.523074	1.72702E-06	0.003074094
1780.039965	80.376255	1.81398E-06	0.003228957
1780.079965	93.067937	2.10041E-06	0.003738904
1780.119965	92.299039	2.08306E-06	0.003708098
1780.159965	84.124127	1.89856E-06	0.003379748
1780.199965	84.828349	1.91446E-06	0.003408117
1780.239965	90.63786	2.04557E-06	0.003641606

1780.279965	112.107299	2.53011E-06	0.004504296
1780.319965	132.52638	2.99094E-06	0.005324823
1780.359965	137.660563	3.10681E-06	0.005531235
1780.399965	135.042045	3.04771E-06	0.005426144
1780.439965	120.50414	2.71961E-06	0.004842103
1780.479965	99.048123	2.23538E-06	0.003980046
1780.519965	81.555366	1.84059E-06	0.003277209
1780.559965	77.46395	1.74825E-06	0.00311287
1780.599965	86.9539	1.96243E-06	0.0034943
1780.639965	98.414905	2.22109E-06	0.003954957
1780.679965	91.70656	2.06969E-06	0.003685454
1780.719965	85.232064	1.92357E-06	0.003425338
1780.759965	88.265567	1.99203E-06	0.003547329
1780.799965	96.184696	2.17075E-06	0.00386568
1780.839965	124.799088	2.81654E-06	0.00501581
1780.879965	149.052519	3.36391E-06	0.005990716
1780.919965	135.605326	3.06042E-06	0.005450369
1780.959965	105.276907	2.37595E-06	0.004231477
1780.999965	85.094778	1.92047E-06	0.003420358
1781.039965	76.761102	1.73239E-06	0.003085458
1781.079965	76.906247	1.73567E-06	0.003091361
1781.119965	82.96822	1.87248E-06	0.003335106
1781.159965	76.621308	1.72924E-06	0.003080046
1781.199965	67.55417	1.5246E-06	0.002715624
1781.239965	87.078961	1.96525E-06	0.003500583
1781.279965	117.561673	2.6532E-06	0.004726098
1781.319965	131.387248	2.96523E-06	0.005282018
1781.359965	127.467037	2.87675E-06	0.005124533
1781.399965	130.407628	2.94312E-06	0.005242871
1781.439965	137.659053	3.10677E-06	0.00553453
1781.479965	124.536645	2.81062E-06	0.005007061
1781.519965	106.165981	2.39602E-06	0.004268554
1781.559965	94.230405	2.12665E-06	0.003788753
1781.599965	85.546445	1.93066E-06	0.003439671
1781.639965	85.453114	1.92856E-06	0.003435996
1781.679965	88.697291	2.00177E-06	0.003566521
1781.719965	98.942569	2.233E-06	0.003978573
1781.759965	115.824786	2.614E-06	0.004657528
1781.799965	126.15215	2.84708E-06	0.005072924
1781.839965	120.735651	2.72484E-06	0.004855221
1781.879965	103.897215	2.34482E-06	0.00417818
1781.919965	90.442053	2.04115E-06	0.003637168
1781.959965	76.921533	1.73601E-06	0.003093504
1781.999965	71.983326	1.62456E-06	0.002894972
1782.039965	63.627709	1.43599E-06	0.002558989
1782.079965	67.205183	1.51673E-06	0.002702929

1782.119965	79.74441	1.79972E-06	0.003207317
1782.159965	100.125035	2.25968E-06	0.004027116
1782.199965	115.436758	2.60525E-06	0.004643071
1782.239965	108.790586	2.45525E-06	0.004375848
1782.279965	106.316945	2.39943E-06	0.004276448
1782.319965	114.047335	2.57389E-06	0.004587495
1782.359965	116.911875	2.63854E-06	0.004702825
1782.399965	113.235243	2.55556E-06	0.004555033
1782.439965	113.981166	2.5724E-06	0.004585142
1782.479965	107.996267	2.43733E-06	0.004344484
1782.519965	97.899402	2.20945E-06	0.003938394
1782.559965	101.335504	2.287E-06	0.004076717
1782.599965	101.923874	2.30028E-06	0.004100479
1782.639965	93.213437	2.1037E-06	0.003750135
1782.679965	92.175999	2.08028E-06	0.00370848
1782.719965	86.654091	1.95566E-06	0.003486398
1782.759965	82.392519	1.85948E-06	0.003315014
1782.799965	98.17372	2.21564E-06	0.00395005
1782.839965	108.557489	2.44999E-06	0.004367942
1782.879965	103.149255	2.32794E-06	0.004150429
1782.919965	97.027059	2.18977E-06	0.003904177
1782.959965	92.881719	2.09621E-06	0.00373746
1782.999965	85.76737	1.93565E-06	0.003451264
1783.039965	92.597306	2.08979E-06	0.003726183
1783.079965	95.320296	2.15125E-06	0.003835844
1783.119965	85.570094	1.9312E-06	0.003443557
1783.159965	97.120891	2.19188E-06	0.003908478
1783.199965	106.867386	2.41185E-06	0.004300807
1783.239965	102.169253	2.30582E-06	0.004111826
1783.279965	98.889687	2.2318E-06	0.003979929
1783.319965	103.932953	2.34562E-06	0.004182995
1783.359965	111.859325	2.52451E-06	0.004502109
1783.399965	107.519408	2.42656E-06	0.004327533
1783.439965	112.964806	2.54946E-06	0.004546806
1783.479965	97.337686	2.19678E-06	0.003917906
1783.519965	84.988536	1.91807E-06	0.003420921
1783.559965	84.398205	1.90475E-06	0.003397236
1783.599965	75.647134	1.70725E-06	0.003045052
1783.639965	75.021223	1.69312E-06	0.003019925
1783.679965	81.119221	1.83075E-06	0.003265468
1783.719965	89.292838	2.01521E-06	0.003594579
1783.759965	84.19458	1.90015E-06	0.003389419
1783.799965	82.391116	1.85945E-06	0.003316892
1783.839965	96.267252	2.17262E-06	0.003875602
1783.879965	105.350808	2.37762E-06	0.00424139
1783.919965	100.70291	2.27272E-06	0.004054358

1783.959965	97.556969	2.20172E-06	0.003927789
1783.999965	89.147238	2.01193E-06	0.003589281
1784.039965	82.797228	1.86862E-06	0.003333689
1784.079965	95.628779	2.15821E-06	0.003850416
1784.119965	103.524865	2.33641E-06	0.004168439
1784.159965	89.831366	2.02737E-06	0.00361715
1784.199965	101.150648	2.28283E-06	0.004073024
1784.239965	108.567719	2.45022E-06	0.004371784
1784.279965	98.528478	2.22365E-06	0.003967615
1784.319965	92.843618	2.09535E-06	0.003738777
1784.359965	104.23505	2.35244E-06	0.0041976
1784.399965	108.2805	2.44374E-06	0.00436061
1784.439965	112.753951	2.5447E-06	0.004540864
1784.479965	110.148902	2.48591E-06	0.004436052
1784.519965	101.345316	2.28722E-06	0.004081594
1784.559965	100.770807	2.27426E-06	0.004058548
1784.599965	115.971164	2.61731E-06	0.004670847
1784.639965	120.474963	2.71895E-06	0.004852351
1784.679965	101.22609	2.28453E-06	0.004077158
1784.719965	87.08335	1.96535E-06	0.003507599
1784.759965	80.960823	1.82717E-06	0.003261065
1784.799965	72.147352	1.62827E-06	0.002906128
1784.839965	70.414063	1.58915E-06	0.002836374
1784.879965	78.754626	1.77738E-06	0.003172414
1784.919965	88.370918	1.99441E-06	0.00355986
1784.959965	79.409134	1.79215E-06	0.003198922
1784.999965	71.787111	1.62014E-06	0.002891941
1785.039965	86.460422	1.95129E-06	0.003483133
1785.079965	101.146844	2.28274E-06	0.004074879
1785.119965	104.082842	2.349E-06	0.004193255
1785.159965	100.144944	2.26013E-06	0.004034697
1785.199965	92.592592	2.08969E-06	0.003730507
1785.239965	90.332532	2.03868E-06	0.003639532
1785.279965	95.498771	2.15527E-06	0.003847768
1785.319965	115.562732	2.60809E-06	0.004656275
1785.359965	137.354679	3.0999E-06	0.005534444
1785.399965	130.76254	2.95113E-06	0.005268945
1785.439965	106.416122	2.40166E-06	0.004288026
1785.479965	93.549909	2.11129E-06	0.003769668
1785.519965	84.174828	1.89971E-06	0.003391968
1785.559965	75.865353	1.71218E-06	0.003057192
1785.599965	83.594388	1.88661E-06	0.003368729
1785.639965	94.10065	2.12372E-06	0.0037922
1785.679965	100.039348	2.25775E-06	0.004031617
1785.719965	102.255206	2.30776E-06	0.004121009
1785.759965	99.244434	2.23981E-06	0.003999761

1785.799965	103.911959	2.34515E-06	0.004187966
1785.839965	112.539557	2.53986E-06	0.004535785
1785.879965	114.045903	2.57386E-06	0.0045966
1785.919965	101.097855	2.28164E-06	0.004074822
1785.959965	95.124683	2.14683E-06	0.003834155
1785.999965	101.616748	2.29335E-06	0.00409592
1786.039965	99.263709	2.24024E-06	0.004001165
1786.079965	100.420662	2.26635E-06	0.00404789
1786.119965	111.08057	2.50693E-06	0.004477684
1786.159965	113.948702	2.57166E-06	0.004593402
1786.199965	105.212375	2.3745E-06	0.004241326
1786.239965	99.111523	2.23681E-06	0.003995478
1786.279965	90.708329	2.04716E-06	0.003656802
1786.319965	86.262695	1.94683E-06	0.003477659
1786.359965	91.076029	2.05546E-06	0.00367179
1786.399965	96.887085	2.18661E-06	0.003906154
1786.439965	96.821298	2.18512E-06	0.003903589
1786.479965	93.690276	2.11446E-06	0.003777439
1786.519965	89.466795	2.01914E-06	0.003607236
1786.559965	82.1081	1.85307E-06	0.003310613
1786.599965	67.252841	1.5178E-06	0.002711707
1786.639965	73.397749	1.65648E-06	0.002959542
1786.679965	90.509924	2.04268E-06	0.003649621
1786.719965	102.128618	2.3049E-06	0.004118212
1786.759965	90.632567	2.04545E-06	0.00365473
1786.799965	76.332909	1.72273E-06	0.003078169
1786.839965	83.501817	1.88452E-06	0.003367335
1786.879965	88.482693	1.99693E-06	0.003568276
1786.919965	80.910266	1.82603E-06	0.003262973
1786.959965	82.420025	1.86011E-06	0.003323933
1786.999965	83.858431	1.89257E-06	0.003382019
1787.039965	85.366364	1.9266E-06	0.003442911
1787.079965	91.018504	2.05416E-06	0.00367095
1787.119965	93.330515	2.10634E-06	0.003764282
1787.159965	95.543266	2.15628E-06	0.003853614
1787.199965	97.221292	2.19415E-06	0.003921383
1787.239965	88.640419	2.00049E-06	0.003575357
1787.279965	88.183429	1.99018E-06	0.003557004
1787.319965	108.103812	2.43975E-06	0.004360618
1787.359965	118.797525	2.68109E-06	0.004792081
1787.399965	117.780465	2.65814E-06	0.004751161
1787.439965	113.062438	2.55166E-06	0.004560942
1787.479965	101.798528	2.29745E-06	0.004106648
1787.519965	90.598107	2.04467E-06	0.003654894
1787.559965	91.434746	2.06355E-06	0.003688728
1787.599965	86.100878	1.94318E-06	0.003473623

1787.639965	82.141615	1.85382E-06	0.003313966
1787.679965	83.291056	1.87976E-06	0.003360415
1787.719965	79.16666	1.78668E-06	0.003194086
1787.759965	84.594713	1.90918E-06	0.003413164
1787.799965	98.71775	2.22792E-06	0.003983079
1787.839965	111.40771	2.51432E-06	0.004495196
1787.879965	113.770599	2.56764E-06	0.004590639
1787.919965	116.143027	2.62119E-06	0.004686471
1787.959965	102.724255	2.31834E-06	0.004145105
1787.999965	89.270815	2.01472E-06	0.003602316
1788.039965	79.655394	1.79771E-06	0.00321438
1788.079965	87.682829	1.97888E-06	0.003538394
1788.119965	95.33639	2.15161E-06	0.003847336
1788.159965	93.418997	2.10834E-06	0.003770043
1788.199965	91.721323	2.07002E-06	0.003701614
1788.239965	82.855425	1.86993E-06	0.003343886
1788.279964	86.013175	1.9412E-06	0.003471405
1788.319964	100.322934	2.26415E-06	0.004049023
1788.359964	101.051603	2.28059E-06	0.004078523
1788.399964	97.230174	2.19435E-06	0.003924375
1788.439964	91.437669	2.06362E-06	0.003690662
1788.479964	85.599286	1.93186E-06	0.003455087
1788.519964	82.665269	1.86564E-06	0.003336734
1788.559964	69.438937	1.56714E-06	0.002802924
1788.599964	64.666815	1.45944E-06	0.002610354
1788.639964	69.370305	1.56559E-06	0.002800279
1788.679964	70.828379	1.5985E-06	0.002859201
1788.719964	89.701732	2.02444E-06	0.003621162
1788.759964	87.861163	1.9829E-06	0.003546939
1788.799964	82.88446	1.87059E-06	0.003346106
1788.839964	93.847529	2.11801E-06	0.003788777
1788.879964	89.498935	2.01987E-06	0.003613298
1788.919964	83.304065	1.88006E-06	0.003363271
1788.959964	84.570029	1.90863E-06	0.003414459
1788.999964	86.108151	1.94334E-06	0.003476637
1789.039964	82.294764	1.85728E-06	0.003322745
1789.079964	74.78567	1.68781E-06	0.003019624
1789.119964	85.17454	1.92227E-06	0.003439173
1789.159964	89.991242	2.03098E-06	0.003633743
1789.199964	80.286966	1.81196E-06	0.003241968
1789.239964	82.925749	1.87152E-06	0.003348596
1789.279964	104.889858	2.36722E-06	0.004235616
1789.319964	112.829357	2.5464E-06	0.004556327
1789.359964	97.40422	2.19828E-06	0.00393351
1789.399964	103.483692	2.33548E-06	0.004179113
1789.439964	125.462395	2.83151E-06	0.00506682

1789.479964	136.124908	3.07215E-06	0.00549755
1789.519964	122.460735	2.76377E-06	0.004945818
1789.559964	104.16384	2.35083E-06	0.004206956
1789.599964	89.00545	2.00873E-06	0.003594821
1789.639964	103.661095	2.33949E-06	0.004186839
1789.679964	106.197762	2.39674E-06	0.00428939
1789.719964	96.007518	2.16676E-06	0.003877886
1789.759964	100.221829	2.26187E-06	0.004048199
1789.799964	102.255018	2.30775E-06	0.004130417
1789.839964	91.989895	2.07608E-06	0.003715858
1789.879964	82.560834	1.86328E-06	0.003335053
1789.919964	76.337442	1.72283E-06	0.003083727
1789.959964	73.674391	1.66273E-06	0.002976217
1789.999964	75.122383	1.69541E-06	0.003034779
1790.039964	95.646685	2.15861E-06	0.003864003
1790.079964	111.331477	2.5126E-06	0.004497748
1790.119964	108.137697	2.44052E-06	0.004368819
1790.159964	106.089224	2.39429E-06	0.004286155
1790.199964	103.089392	2.32658E-06	0.004165051
1790.239964	106.198543	2.39675E-06	0.004290763
1790.279964	98.888995	2.23179E-06	0.003995523
1790.319964	82.77759	1.86817E-06	0.003344631
1790.359964	76.624732	1.72931E-06	0.003096094
1790.399964	76.146014	1.71851E-06	0.003076819
1790.439964	79.369896	1.79127E-06	0.003207158
1790.479964	84.59286	1.90914E-06	0.003418282
1790.519964	85.754121	1.93535E-06	0.003465285
1790.559964	87.139589	1.96662E-06	0.00352135
1790.599964	90.53766	2.04331E-06	0.003658749
1790.639964	102.604487	2.31564E-06	0.004146478
1790.679964	101.318404	2.28662E-06	0.004094596
1790.719964	90.272531	2.03733E-06	0.003648279
1790.759964	85.893938	1.93851E-06	0.0034714
1790.799964	78.361154	1.7685E-06	0.003167033
1790.839964	84.812531	1.9141E-06	0.003427848
1790.879964	102.484731	2.31294E-06	0.004142194
1790.919964	113.040363	2.55116E-06	0.00456893
1790.959964	100.478697	2.26766E-06	0.004061296
1790.999964	76.35766	1.72329E-06	0.003086405
1791.039964	73.202185	1.65207E-06	0.002958926
1791.079964	82.7131	1.86672E-06	0.003343444
1791.119964	91.328036	2.06115E-06	0.003691761
1791.159964	108.35387	2.4454E-06	0.004380095
1791.199964	102.716405	2.31817E-06	0.004152299
1791.239964	95.935973	2.16514E-06	0.003878288
1791.279964	100.759352	2.274E-06	0.004073367

1791.319964	100.036168	2.25768E-06	0.004044222
1791.359964	97.981485	2.21131E-06	0.003961244
1791.399964	88.716058	2.0022E-06	0.003586737
1791.439964	85.088614	1.92033E-06	0.003440159
1791.479964	89.946208	2.02996E-06	0.003636634
1791.519964	101.447875	2.28954E-06	0.004101752
1791.559964	110.643904	2.49708E-06	0.004473666
1791.599964	108.413134	2.44673E-06	0.004383568
1791.639964	107.343459	2.42259E-06	0.004340413
1791.679964	89.771364	2.02601E-06	0.00362997
1791.719964	79.635466	1.79726E-06	0.003220189
1791.759964	81.293075	1.83467E-06	0.003287291
1791.799964	81.658653	1.84292E-06	0.003302148
1791.839964	81.243498	1.83355E-06	0.003285433
1791.879964	80.747968	1.82237E-06	0.003265467
1791.919964	89.620822	2.02262E-06	0.003624368
1791.959964	88.038797	1.98691E-06	0.003560469
1791.999964	96.189335	2.17086E-06	0.00389018
1792.039964	95.776508	2.16154E-06	0.00387357
1792.079964	88.397981	1.99502E-06	0.003575234
1792.119964	96.852913	2.18584E-06	0.003917279
1792.159964	103.00016	2.32457E-06	0.004166002
1792.199964	97.952421	2.21065E-06	0.003961926
1792.239964	102.180548	2.30607E-06	0.004133036
1792.279964	99.801747	2.25239E-06	0.004036907
1792.319964	102.968649	2.32386E-06	0.004165099
1792.359964	108.784455	2.45511E-06	0.004400447
1792.399964	120.947612	2.72962E-06	0.004892569
1792.439964	130.686396	2.94941E-06	0.00528664
1792.479964	134.83662	3.04307E-06	0.00545465
1792.519964	131.315584	2.96361E-06	0.00531233
1792.559964	121.078187	2.73257E-06	0.004898288
1792.599964	103.301911	2.33138E-06	0.004179232
1792.639964	88.496775	1.99725E-06	0.003580348
1792.679964	80.60159	1.81907E-06	0.003261002
1792.719964	82.2494	1.85625E-06	0.003327744
1792.759964	81.646597	1.84265E-06	0.003303429
1792.799964	76.456944	1.72553E-06	0.003093524
1792.839964	82.630851	1.86486E-06	0.003343401
1792.879964	100.240386	2.26229E-06	0.004056007
1792.919964	122.232876	2.75863E-06	0.004945995
1792.959964	125.658414	2.83594E-06	0.005084719
1792.999964	128.045803	2.88982E-06	0.005181439
1793.039964	115.618334	2.60934E-06	0.004678659
1793.079964	95.935216	2.16512E-06	0.003882241
1793.119964	81.002939	1.82812E-06	0.003278045

1793.159964	88.122822	1.98881E-06	0.003566253
1793.199964	93.723595	2.11521E-06	0.003792996
1793.239964	90.495148	2.04235E-06	0.003662423
1793.279964	97.111073	2.19166E-06	0.003930263
1793.319964	137.997136	3.1144E-06	0.005585121
1793.359964	144.54394	3.26216E-06	0.005850219
1793.399964	132.64304	2.99357E-06	0.005368666
1793.439964	128.20679	2.89345E-06	0.005189226
1793.479964	115.174096	2.59932E-06	0.004661826
1793.519964	113.459273	2.56062E-06	0.004592519
1793.559964	109.04299	2.46095E-06	0.004413859
1793.599964	103.858731	2.34395E-06	0.004204103
1793.639964	108.53572	2.4495E-06	0.004393521
1793.679964	109.48325	2.47088E-06	0.004431976
1793.719964	106.417254	2.40169E-06	0.004307958
1793.759964	98.261012	2.21761E-06	0.003977868
1793.799964	98.254156	2.21746E-06	0.003977679
1793.839964	98.462249	2.22216E-06	0.003986192
1793.879964	95.01246	2.1443E-06	0.003846615
1793.919964	98.427515	2.22137E-06	0.003984963
1793.959964	106.577796	2.40531E-06	0.004315034
1793.999964	103.000338	2.32457E-06	0.004170286
1794.039964	90.306478	2.03809E-06	0.003656417
1794.079964	84.526752	1.90765E-06	0.003422479
1794.119964	84.869497	1.91539E-06	0.003436433
1794.159964	93.530376	2.11085E-06	0.003787203
1794.199964	100.941876	2.27812E-06	0.004087398
1794.239964	106.373684	2.40071E-06	0.004307442
1794.279964	104.017262	2.34752E-06	0.004212117
1794.319964	103.855901	2.34388E-06	0.004205676
1794.359964	106.741044	2.409E-06	0.004322607
1794.399964	105.104657	2.37207E-06	0.004256435
1794.439964	102.54281	2.31425E-06	0.00415278
1794.479964	95.031106	2.14472E-06	0.003848657
1794.519964	84.818333	1.91423E-06	0.003435127
1794.559964	78.347249	1.76819E-06	0.00317312
1794.599964	77.167524	1.74156E-06	0.00312541
1794.639964	73.170118	1.65135E-06	0.002963574
1794.679964	76.03843	1.71608E-06	0.003079817
1794.719964	68.512323	1.54623E-06	0.002775046
1794.759964	68.774387	1.55214E-06	0.002785723
1794.799964	96.728601	2.18303E-06	0.003918102
1794.839964	104.628313	2.36132E-06	0.004238183
1794.879964	90.921452	2.05197E-06	0.003683041
1794.919964	75.18374	1.69679E-06	0.003045606
1794.959964	69.474908	1.56795E-06	0.002814411

1794.999964	76.980374	1.73734E-06	0.003118525
1795.039964	92.398536	2.08531E-06	0.003743208
1795.079964	92.125737	2.07915E-06	0.00373224
1795.119964	74.826753	1.68874E-06	0.003031483
1795.159964	60.587708	1.36738E-06	0.002454666
1795.199964	67.575679	1.52509E-06	0.00273784
1795.239964	104.291164	2.35371E-06	0.004225468
1795.279964	132.935723	3.00017E-06	0.005386152
1795.319964	119.514396	2.69727E-06	0.004842469
1795.359964	104.213438	2.35195E-06	0.004222601
1795.399964	103.138442	2.32769E-06	0.004179136
1795.439964	96.328751	2.17401E-06	0.003903297
1795.479964	100.787031	2.27462E-06	0.00408404
1795.519964	92.316966	2.08347E-06	0.003740904
1795.559964	89.963058	2.03034E-06	0.003645599
1795.599964	93.248791	2.1045E-06	0.003778832
1795.639964	89.838691	2.02753E-06	0.003640721
1795.679964	80.927196	1.82641E-06	0.003279655
1795.719964	86.583403	1.95407E-06	0.003508957
1795.759964	93.300709	2.10567E-06	0.003781273
1795.799964	98.97671	2.23377E-06	0.004011398
1795.839964	101.160764	2.28306E-06	0.004100006
1795.879964	99.085945	2.23623E-06	0.004016004
1795.919964	85.905891	1.93878E-06	0.003481887
1795.959964	74.185983	1.67427E-06	0.00300693
1795.999964	77.546863	1.75012E-06	0.003143224
1796.039964	96.672581	2.18177E-06	0.003918538
1796.079964	111.268215	2.51117E-06	0.00451026
1796.119964	103.118662	2.32724E-06	0.00418001
1796.159964	91.558929	2.06636E-06	0.003711509
1796.199964	95.355297	2.15204E-06	0.003865487
1796.239964	96.993691	2.18901E-06	0.003931992
1796.279964	93.534099	2.11093E-06	0.003791829
1796.319964	98.531447	2.22372E-06	0.003994508
1796.359964	114.856221	2.59214E-06	0.004656425
1796.399964	103.681629	2.33995E-06	0.004203486
1796.439964	85.345334	1.92613E-06	0.003460168
1796.479964	86.221603	1.9459E-06	0.003495773
1796.519964	90.800689	2.04925E-06	0.00368151
1796.559964	97.775184	2.20665E-06	0.003964379
1796.599964	106.585216	2.40548E-06	0.004321685
1796.639964	100.935971	2.27798E-06	0.004092718
1796.679964	82.342831	1.85836E-06	0.003338884
1796.719964	79.04937	1.78403E-06	0.00320541
1796.759964	82.841504	1.86962E-06	0.003359254
1796.799964	85.79353	1.93624E-06	0.003479037

1796.839964	81.439337	1.83797E-06	0.003302542
1796.879964	79.069781	1.78449E-06	0.003206523
1796.919964	95.889187	2.16409E-06	0.003888688
1796.959964	114.118477	2.5755E-06	0.004628062
1796.999964	102.127336	2.30487E-06	0.004141854
1797.039964	95.187352	2.14825E-06	0.003860484
1797.079964	108.316716	2.44456E-06	0.004393065
1797.119964	110.840325	2.50151E-06	0.004495517
1797.159964	118.966459	2.68491E-06	0.004825208
1797.199964	118.656937	2.67792E-06	0.004812761
1797.239964	102.041261	2.30293E-06	0.004138916
1797.279964	85.175087	1.92228E-06	0.003454881
1797.319964	87.001321	1.9635E-06	0.003529035
1797.359964	91.866303	2.07329E-06	0.003726457
1797.399964	92.854456	2.0956E-06	0.003766624
1797.439964	102.180165	2.30606E-06	0.004145012
1797.479964	104.014992	2.34747E-06	0.004219537
1797.519964	93.907338	2.11936E-06	0.003809588
1797.559964	78.010614	1.76059E-06	0.003164768
1797.599964	82.905394	1.87106E-06	0.003363416
1797.639964	78.688635	1.77589E-06	0.003192416
1797.679964	60.778778	1.37169E-06	0.002465864
1797.719964	54.600608	1.23226E-06	0.002215258
1797.759964	66.008989	1.48973E-06	0.002678179
1797.799964	75.20105	1.69718E-06	0.003051195
1797.839964	84.124202	1.89857E-06	0.003413318
1797.879964	84.741658	1.9125E-06	0.003438448
1797.919964	82.563316	1.86334E-06	0.003350134
1797.959964	84.876584	1.91555E-06	0.003444076
1797.999964	95.200244	2.14854E-06	0.003863069
1798.039964	87.437456	1.97334E-06	0.003548147
1798.079964	79.32941	1.79035E-06	0.0032192
1798.119964	102.289558	2.30853E-06	0.004151019
1798.159964	114.209502	2.57755E-06	0.004634846
1798.199964	100.37837	2.2654E-06	0.004073642
1798.239964	79.254922	1.78867E-06	0.003216464
1798.279964	69.319612	1.56445E-06	0.002813314
1798.319964	77.246255	1.74334E-06	0.003135084
1798.359964	97.847112	2.20827E-06	0.00397127
1798.399964	115.564741	2.60814E-06	0.00469047
1798.439964	104.383848	2.3558E-06	0.004236761
1798.479964	91.35932	2.06185E-06	0.003708201
1798.519964	88.638938	2.00046E-06	0.003597863
1798.559964	85.525758	1.9302E-06	0.003471575
1798.599964	96.629452	2.18079E-06	0.003922373
1798.639964	105.708864	2.3857E-06	0.004291019

1798.679964	105.414486	2.37906E-06	0.004279164
1798.719964	109.796549	2.47796E-06	0.004457147
1798.759964	91.994615	2.07619E-06	0.003734568
1798.799964	78.300484	1.76713E-06	0.003178719
1798.839964	82.028497	1.85127E-06	0.003330137
1798.879964	97.409038	2.19839E-06	0.003954633
1798.919964	84.244073	1.90127E-06	0.003420235
1798.959964	71.093549	1.60448E-06	0.0028864
1798.999964	81.790245	1.84589E-06	0.003320759
1799.039964	89.570586	2.02148E-06	0.003636729
1799.079964	91.478379	2.06454E-06	0.003714272
1799.119964	87.957914	1.98509E-06	0.003571411
1799.159964	101.309673	2.28642E-06	0.004113632
1799.199964	124.281814	2.80487E-06	0.005046517
1799.239964	116.758051	2.63507E-06	0.004741117
1799.279964	82.264076	1.85659E-06	0.003340517
1799.319964	85.023979	1.91887E-06	0.003452666
1799.359964	114.721564	2.58911E-06	0.004658734
1799.399964	109.163699	2.46367E-06	0.004433132
1799.439964	98.189558	2.216E-06	0.003987562
1799.479964	96.130935	2.16954E-06	0.003904046
1799.519964	88.69035	2.00162E-06	0.003601951
1799.559964	80.27327	1.81166E-06	0.003260183
1799.599964	89.34975	2.0165E-06	0.003628892
1799.639964	89.651891	2.02332E-06	0.003641244
1799.679964	86.873884	1.96062E-06	0.003528493
1799.719964	79.793245	1.80082E-06	0.003240976
1799.759964	89.479002	2.01942E-06	0.003634465
1799.799964	95.275401	2.15023E-06	0.003869989
1799.839964	85.506073	1.92975E-06	0.003473247
1799.879964	89.73941	2.02529E-06	0.003645285
1799.919964	96.731437	2.18309E-06	0.003929394
1799.959964	106.609589	2.40603E-06	0.004330758
1799.999964	91.19925	2.05824E-06	0.003704832
1800.039964	74.700593	1.68589E-06	0.003034666
1800.079964	74.809957	1.68836E-06	0.003039177
1800.119964	91.476958	2.06451E-06	0.003716361
1800.159964	92.545397	2.08862E-06	0.003759851
1800.199964	91.885148	2.07372E-06	0.00373311
1800.239964	89.19353	2.01297E-06	0.003623836
1800.279964	80.080579	1.80731E-06	0.003253659
1800.319964	82.902897	1.871E-06	0.003368404
1800.359964	91.99866	2.07628E-06	0.003738054
1800.399964	101.789157	2.29724E-06	0.00413595
1800.439964	107.021611	2.41533E-06	0.004348654
1800.479964	100.231247	2.26208E-06	0.004072829

1800.519964	90.375234	2.03964E-06	0.003672418
1800.559964	100.035317	2.25766E-06	0.004065048
1800.599964	105.450961	2.37988E-06	0.004285214
1800.639964	102.125135	2.30482E-06	0.004150155
1800.679964	80.658211	1.82034E-06	0.003277856
1800.719964	71.242868	1.60785E-06	0.002895292
1800.759964	94.989036	2.14377E-06	0.003860416
1800.799964	109.970893	2.48189E-06	0.004469387
1800.839964	98.360133	2.21985E-06	0.003997597
1800.879964	103.484609	2.3355E-06	0.004205961
1800.919964	117.682261	2.65592E-06	0.004783108
1800.959964	109.893381	2.48014E-06	0.004466634
1800.999964	105.787202	2.38747E-06	0.004299833
1801.039964	107.655343	2.42963E-06	0.004375863
1801.079964	116.035192	2.61875E-06	0.004716583
1801.119964	129.910502	2.9319E-06	0.005280702
1801.159964	152.020906	3.4309E-06	0.0061796
1801.199964	171.897772	3.87949E-06	0.006987743
1801.239964	197.559832	4.45865E-06	0.008031099
1801.279964	229.509997	5.17972E-06	0.009330128
1801.319964	248.261776	5.60292E-06	0.010092656
1801.359964	278.816327	6.2925E-06	0.011335051
1801.399964	288.37775	6.50828E-06	0.011724023
1801.439964	284.972175	6.43143E-06	0.011585826
1801.479964	267.253746	6.03154E-06	0.010865707
1801.519964	240.818955	5.43495E-06	0.009791168
1801.559964	200.262476	4.51965E-06	0.008142412
1801.599964	153.923616	3.47384E-06	0.006258473
1801.639964	146.893477	3.31518E-06	0.005972763
1801.679964	137.792957	3.1098E-06	0.005602856
1801.719964	112.031534	2.5284E-06	0.004555461
1801.759964	98.982763	2.2339E-06	0.004024957
1801.799964	105.59415	2.38311E-06	0.004293893
1801.839964	112.139559	2.53083E-06	0.004560157
1801.879964	117.249981	2.64617E-06	0.004768078
1801.919964	111.727848	2.52154E-06	0.004543617
1801.959964	113.457425	2.56058E-06	0.004614056
1801.999964	118.188033	2.66734E-06	0.004806545
1802.039964	103.447067	2.33466E-06	0.004207144
1802.079964	106.680111	2.40762E-06	0.004338726
1802.119964	114.678256	2.58813E-06	0.004664118
1802.159964	118.432974	2.67287E-06	0.004816934
1802.199964	129.260417	2.91723E-06	0.005257427
1802.239964	154.033928	3.47633E-06	0.006265183
1802.279964	190.433224	4.29781E-06	0.007745862
1802.319964	213.183632	4.81126E-06	0.008671426

1802.359964	226.011787	5.10077E-06	0.009193426
1802.399964	222.980161	5.03235E-06	0.00907031
1802.439964	214.11192	4.83221E-06	0.008709764
1802.479964	207.231999	4.67694E-06	0.008430086
1802.519964	198.998413	4.49112E-06	0.008095328
1802.559964	188.562576	4.25559E-06	0.007670965
1802.599964	166.180616	3.75047E-06	0.006760588
1802.639964	140.325602	3.16695E-06	0.005708877
1802.679964	121.118363	2.73347E-06	0.004927577
1802.719964	112.466598	2.53821E-06	0.00457569
1802.759964	101.374437	2.28788E-06	0.004124498
1802.799964	103.230694	2.32977E-06	0.004200115
1802.839964	104.466053	2.35765E-06	0.004250472
1802.879964	110.652361	2.49727E-06	0.004502277
1802.919964	118.912788	2.6837E-06	0.004838489
1802.959964	122.502434	2.76471E-06	0.00498466
1802.999964	122.348282	2.76123E-06	0.004978498
1803.039964	105.872088	2.38939E-06	0.004308158
1803.079964	100.54254	2.26911E-06	0.004091378
1803.119964	98.381181	2.22033E-06	0.004003515
1803.159964	110.386182	2.49126E-06	0.004492145
1803.199964	120.632701	2.72251E-06	0.004909234
1803.239964	140.393208	3.16848E-06	0.005713528
1803.279964	144.798327	3.2679E-06	0.005892932
1803.319964	127.966785	2.88803E-06	0.005208046
1803.359964	131.497002	2.9677E-06	0.005351839
1803.399964	158.174632	3.56978E-06	0.006437743
1803.439964	167.031065	3.76966E-06	0.006798353
1803.479964	162.877421	3.67592E-06	0.006629442
1803.519964	160.829222	3.62969E-06	0.006546221
1803.559964	139.962232	3.15875E-06	0.005697
1803.599964	109.4963	2.47118E-06	0.004457018
1803.639964	95.758302	2.16113E-06	0.003897903
1803.679964	105.965794	2.3915E-06	0.004313501
1803.719964	116.125238	2.62078E-06	0.004727162
1803.759964	124.971538	2.82043E-06	0.005087385
1803.799964	123.442822	2.78593E-06	0.005025265
1803.839964	94.321201	2.1287E-06	0.003839831
1803.879964	91.717744	2.06994E-06	0.003733926
1803.919964	106.546458	2.40461E-06	0.004337715
1803.959964	103.613603	2.33841E-06	0.004218406
1803.999964	84.143826	1.89901E-06	0.003425812
1804.039964	85.328525	1.92575E-06	0.003474123
1804.079964	111.233942	2.5104E-06	0.004528954
1804.119964	111.761303	2.5223E-06	0.004550526
1804.159964	93.802946	2.117E-06	0.00381941

1804.199964	106.904718	2.41269E-06	0.004352976
1804.239964	120.76375	2.72547E-06	0.004917401
1804.279964	121.978888	2.75289E-06	0.004966991
1804.319964	119.705891	2.7016E-06	0.004874542
1804.359964	127.720699	2.88248E-06	0.005201028
1804.399964	123.809875	2.79422E-06	0.005041884
1804.439964	107.7591	2.43197E-06	0.004388349
1804.479964	87.256198	1.96925E-06	0.003553474
1804.519964	78.430494	1.77007E-06	0.003194121
1804.559964	72.764394	1.64219E-06	0.002963432
1804.599964	73.499494	1.65878E-06	0.002993436
1804.639964	82.853409	1.86989E-06	0.003374471
1804.679964	85.78401	1.93603E-06	0.003493907
1804.719964	75.083917	1.69454E-06	0.003058169
1804.759964	71.265976	1.60837E-06	0.002902729
1804.799964	77.191233	1.7421E-06	0.00314414
1804.839964	74.422004	1.6796E-06	0.003031411
1804.879964	72.138644	1.62807E-06	0.002938469
1804.919964	68.935442	1.55578E-06	0.002808053
1804.959964	71.256618	1.60816E-06	0.002902669
1804.999964	84.178134	1.89978E-06	0.003429109
1805.039964	95.152606	2.14746E-06	0.003876254
1805.079964	95.339174	2.15167E-06	0.003883941
1805.119964	96.120657	2.16931E-06	0.003915864
1805.159964	83.541927	1.88542E-06	0.003403494
1805.199964	81.052807	1.82925E-06	0.00330216
1805.239964	104.092279	2.34922E-06	0.004240902
1805.279964	114.605513	2.58649E-06	0.004669333
1805.319964	115.130587	2.59834E-06	0.00469083
1805.359964	107.968796	2.43671E-06	0.00439913
1805.399964	99.38995	2.24309E-06	0.00404968
1805.439964	101.266985	2.28545E-06	0.004126251
1805.479964	113.832637	2.56904E-06	0.004638358
1805.519964	110.51199	2.4941E-06	0.00450315
1805.559964	103.077011	2.3263E-06	0.004200282
1805.599964	102.405319	2.31115E-06	0.004173004
1805.639964	89.191853	2.01294E-06	0.003634637
1805.679964	81.454315	1.83831E-06	0.0033194
1805.719964	74.292288	1.67667E-06	0.003027603
1805.759964	72.377751	1.63347E-06	0.002949646
1805.799964	83.326436	1.88056E-06	0.003395918
1805.839964	87.364202	1.97169E-06	0.003560554
1805.879964	86.773357	1.95835E-06	0.003536552
1805.919964	87.155083	1.96697E-06	0.003552188
1805.959964	93.007526	2.09905E-06	0.003790801
1805.999964	99.963382	2.25603E-06	0.004074398

1806.039964	101.14823	2.28277E-06	0.004122782
1806.079964	95.359154	2.15212E-06	0.003886907
1806.119964	101.651845	2.29414E-06	0.004143493
1806.159964	97.51936	2.20088E-06	0.003975134
1806.199964	85.513661	1.92992E-06	0.003485829
1806.239964	90.160375	2.03479E-06	0.003675326
1806.279964	91.343854	2.0615E-06	0.003723653
1806.319964	96.506327	2.17801E-06	0.003934189
1806.359964	117.818826	2.65901E-06	0.004803123
1806.399964	118.543042	2.67535E-06	0.004832755
1806.439964	100.12975	2.25979E-06	0.004082173
1806.479964	90.8236	2.04976E-06	0.003702854
1806.519964	87.116358	1.96609E-06	0.00355179
1806.559964	78.978652	1.78244E-06	0.003220081
1806.599964	71.572297	1.61529E-06	0.002918178
1806.639964	81.151364	1.83147E-06	0.003308813
1806.679964	100.683518	2.27229E-06	0.004105295
1806.719964	100.485016	2.26781E-06	0.004097292
1806.759964	95.637674	2.15841E-06	0.003899727
1806.799964	96.576396	2.17959E-06	0.003938092
1806.839964	100.947921	2.27825E-06	0.00411644
1806.879964	95.579619	2.1571E-06	0.003897619
1806.919964	103.451024	2.33475E-06	0.004218698
1806.959964	109.70642	2.47592E-06	0.00447389
1806.999964	97.520497	2.2009E-06	0.003977029
1807.039964	96.81634	2.18501E-06	0.0039484
1807.079964	104.902112	2.36749E-06	0.004278252
1807.119964	85.793955	1.93625E-06	0.003499036
1807.159964	81.486404	1.83903E-06	0.00332343
1807.199964	99.759323	2.25143E-06	0.004068782
1807.239964	112.272856	2.53384E-06	0.00457926
1807.279964	111.4886	2.51614E-06	0.004547374
1807.319964	95.413634	2.15335E-06	0.003891798
1807.359964	86.04438	1.9419E-06	0.003509716
1807.399964	84.996794	1.91826E-06	0.003467062
1807.439964	95.745432	2.16084E-06	0.00390559
1807.479964	93.427824	2.10854E-06	0.003811136
1807.519964	87.052137	1.96465E-06	0.003551136
1807.559964	79.872633	1.80261E-06	0.003258333
1807.599964	75.839986	1.7116E-06	0.003093893
1807.639964	77.735133	1.75437E-06	0.003171276
1807.679964	80.258012	1.81131E-06	0.003274272
1807.719964	79.31136	1.78995E-06	0.003235723
1807.759964	81.998049	1.85058E-06	0.003345408
1807.799964	79.12303	1.7857E-06	0.003228182
1807.839964	84.681351	1.91114E-06	0.003455036

1807.879964	90.845316	2.05025E-06	0.00370661
1807.919964	81.411958	1.83735E-06	0.00332179
1807.959964	84.120436	1.89848E-06	0.003432378
1807.999964	99.019158	2.23472E-06	0.004040382
1808.039964	111.117091	2.50776E-06	0.004534127
1808.079964	112.86137	2.54712E-06	0.004605404
1808.119964	101.147304	2.28275E-06	0.004127493
1808.159964	86.755445	1.95795E-06	0.003540286
1808.199964	89.065494	2.01008E-06	0.003634634
1808.239964	99.755389	2.25134E-06	0.004070963
1808.279964	108.916288	2.45809E-06	0.004444913
1808.319964	123.57514	2.78892E-06	0.005043258
1808.359964	109.672441	2.47515E-06	0.00447597
1808.399964	94.240546	2.12688E-06	0.003846246
1808.439964	83.161355	1.87684E-06	0.003394145
1808.479964	75.516954	1.70431E-06	0.003082215
1808.519964	95.347486	2.15186E-06	0.003891682
1808.559964	102.435715	2.31183E-06	0.004181086
1808.599964	84.499951	1.90705E-06	0.003449084
1808.639964	71.363552	1.61058E-06	0.002912952
1808.679964	78.650646	1.77504E-06	0.003210471
1808.719964	83.930017	1.89418E-06	0.003426048
1808.759964	74.457942	1.68041E-06	0.003039462
1808.799964	75.025127	1.69321E-06	0.003062683
1808.839964	73.32097	1.65475E-06	0.002993182
1808.879964	64.329389	1.45182E-06	0.002626177
1808.919964	62.918056	1.41997E-06	0.002568617
1808.959964	67.346325	1.51991E-06	0.002749461
1808.999964	72.902799	1.64531E-06	0.002976374
1809.039964	79.298287	1.78965E-06	0.003237552
1809.079964	93.983132	2.12107E-06	0.003837182
1809.119964	103.931281	2.34558E-06	0.004243443
1809.159964	98.21281	2.21653E-06	0.004010051
1809.199964	97.905409	2.20959E-06	0.003997588
1809.239964	90.262913	2.03711E-06	0.003685618
1809.279964	79.834433	1.80175E-06	0.003259874
1809.319964	80.872341	1.82518E-06	0.003302328
1809.359964	90.996013	2.05365E-06	0.003715798
1809.399964	96.508745	2.17807E-06	0.003940996
1809.439964	96.507738	2.17805E-06	0.003941042
1809.479964	86.575815	1.9539E-06	0.003535535
1809.519964	89.596738	2.02207E-06	0.003658983
1809.559964	84.161065	1.8994E-06	0.003437075
1809.599964	84.35195	1.90371E-06	0.003444946
1809.639964	87.259406	1.96932E-06	0.003563766
1809.679964	80.424251	1.81506E-06	0.003284684

1809.719964	92.016095	2.07668E-06	0.0037582
1809.759964	87.817687	1.98192E-06	0.003586805
1809.799964	91.646466	2.06833E-06	0.003743269
1809.839964	103.154505	2.32805E-06	0.004213404
1809.879964	93.202107	2.10344E-06	0.003806977
1809.919964	85.647459	1.93294E-06	0.003498474
1809.959964	101.91083	2.29999E-06	0.004162882
1809.999964	105.510471	2.38122E-06	0.004310016
1810.039964	89.432311	2.01836E-06	0.003653317
1810.079964	87.658656	1.97833E-06	0.003580942
1810.119964	92.680687	2.09167E-06	0.003786181
1810.159964	91.991963	2.07613E-06	0.003758128
1810.199964	97.564609	2.2019E-06	0.003985874
1810.239964	104.122245	2.34989E-06	0.004253872
1810.279964	89.413556	2.01794E-06	0.003653035
1810.319964	92.103991	2.07866E-06	0.003763037
1810.359964	94.621011	2.13546E-06	0.003865959
1810.399964	106.689812	2.40784E-06	0.004359154
1810.439964	116.795852	2.63592E-06	0.004772174
1810.479964	105.05982	2.37105E-06	0.004292745
1810.519964	88.705987	2.00197E-06	0.003624608
1810.559964	78.766221	1.77764E-06	0.003218531
1810.599964	72.457938	1.63527E-06	0.002960828
1810.639964	72.308671	1.63191E-06	0.002954794
1810.679964	71.097142	1.60456E-06	0.002905351
1810.719964	60.351772	1.36206E-06	0.002466301
1810.759964	67.826145	1.53074E-06	0.002771806
1810.799964	71.718343	1.61858E-06	0.00293093
1810.839964	64.815814	1.4628E-06	0.002648901
1810.879964	64.220406	1.44937E-06	0.002624626
1810.919964	82.342919	1.85836E-06	0.00336535
1810.959964	86.843475	1.95994E-06	0.003549366
1810.999964	88.082602	1.9879E-06	0.00360009
1811.039964	102.546189	2.31432E-06	0.004191334
1811.079964	109.466789	2.47051E-06	0.004474297
1811.119964	102.218336	2.30693E-06	0.004178119
1811.159964	94.712021	2.13752E-06	0.003871388
1811.199964	87.273254	1.96964E-06	0.003567404
1811.239964	80.302873	1.81232E-06	0.003282554
1811.279964	80.12459	1.8083E-06	0.003275338
1811.319964	91.704542	2.06964E-06	0.003748787
1811.359964	97.091404	2.19122E-06	0.003969084
1811.399964	94.669015	2.13655E-06	0.003870143
1811.439964	91.638441	2.06815E-06	0.003746333
1811.479964	85.751063	1.93528E-06	0.003505725
1811.519964	87.856671	1.9828E-06	0.003591887

1811.559964	92.716916	2.09249E-06	0.003790674
1811.599964	93.838346	2.1178E-06	0.003836608
1811.639964	75.732913	1.70919E-06	0.00309643
1811.679964	72.124279	1.62774E-06	0.002948952
1811.719964	90.214817	2.03602E-06	0.003688703
1811.759964	91.21737	2.05865E-06	0.003729778
1811.799964	77.4329	1.74755E-06	0.003166216
1811.839964	72.346108	1.63275E-06	0.002958283
1811.879964	78.411288	1.76963E-06	0.003206364
1811.919964	76.612973	1.72905E-06	0.003132897
1811.959964	91.973483	2.07571E-06	0.00376111
1811.999964	107.878776	2.43467E-06	0.004411629
1812.039964	105.03994	2.37061E-06	0.004295631
1812.079964	94.805091	2.13962E-06	0.00387716
1812.119964	88.023446	1.98657E-06	0.003599897
1812.159964	82.849469	1.8698E-06	0.003388371
1812.199964	80.221507	1.81049E-06	0.003280966
1812.239964	70.118106	1.58247E-06	0.002867812
1812.279964	81.288544	1.83457E-06	0.003324753
1812.319964	112.26723	2.53372E-06	0.004591902
1812.359964	112.064467	2.52914E-06	0.00458371
1812.399964	107.218609	2.41977E-06	0.0043856
1812.439964	114.517217	2.58449E-06	0.00468424
1812.479964	105.171107	2.37357E-06	0.00430204
1812.519964	99.521499	2.24606E-06	0.004071032
1812.559964	98.771176	2.22913E-06	0.004040428
1812.599964	96.685453	2.18206E-06	0.003955195
1812.639964	88.877229	2.00584E-06	0.003635857
1812.679964	79.106821	1.78533E-06	0.003236233
1812.719964	68.754424	1.55169E-06	0.002812782
1812.759964	83.814594	1.89158E-06	0.003428978
1812.799964	87.177747	1.96748E-06	0.003566648
1812.839964	80.052528	1.80667E-06	0.003275211
1812.879964	87.954198	1.985E-06	0.003598574
1812.919964	89.29339	2.01523E-06	0.003653446
1812.959964	78.738893	1.77703E-06	0.003221679
1812.999964	66.873595	1.50924E-06	0.002736259
1813.039964	72.793706	1.64285E-06	0.002978557
1813.079964	75.287999	1.69915E-06	0.003080686
1813.119964	75.987473	1.71493E-06	0.003109376
1813.159964	78.410388	1.76961E-06	0.003208592
1813.199964	86.155567	1.94441E-06	0.003525606
1813.239964	79.010262	1.78315E-06	0.003233282
1813.279964	72.111075	1.62745E-06	0.002951016
1813.319964	84.234841	1.90106E-06	0.003447236
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1813.399964	112.487906	2.5387E-06	0.00460367
1813.439964	115.98895	2.61771E-06	0.004747058
1813.479964	101.116965	2.28207E-06	0.004138487
1813.519964	91.709112	2.06975E-06	0.003753527
1813.559964	94.588312	2.13473E-06	0.003871454
1813.599964	92.913862	2.09694E-06	0.003803004
1813.639964	79.673948	1.79813E-06	0.00326116
1813.679964	85.020211	1.91879E-06	0.003480067
1813.719964	94.169423	2.12527E-06	0.00385465
1813.759964	84.978157	1.91784E-06	0.003478499
1813.799964	77.586797	1.75103E-06	0.003176011
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1813.879964	75.190598	1.69695E-06	0.003078058
1813.919964	86.746072	1.95774E-06	0.00355118
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1813.999964	93.363217	2.10708E-06	0.003822239
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1814.079964	104.539069	2.3593E-06	0.004279961
1814.119964	104.879018	2.36697E-06	0.004293974
1814.159964	106.134216	2.3953E-06	0.00434546
1814.199964	108.189433	2.44168E-06	0.004429704
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1814.479964	90.003994	2.03126E-06	0.003685689
1814.519964	80.274756	1.81169E-06	0.003287347
1814.559964	65.020022	1.46741E-06	0.002662706
1814.599964	63.974141	1.44381E-06	0.002619933
1814.639964	83.776712	1.89072E-06	0.003430983
1814.679964	98.519029	2.22344E-06	0.004034827
1814.719964	113.294868	2.55691E-06	0.004640071
1814.759964	100.870401	2.2765E-06	0.004131309
1814.799964	78.353146	1.76832E-06	0.00320915
1814.839964	74.812696	1.68842E-06	0.003064209
1814.879964	86.456529	1.9512E-06	0.0035412
1814.919964	108.694437	2.45308E-06	0.004452148
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1814.999964	92.103025	2.07864E-06	0.003772726
1815.039964	89.543704	2.02088E-06	0.003667972
1815.079964	106.565532	2.40504E-06	0.004365332
1815.119964	121.466066	2.74132E-06	0.004975825
1815.159964	115.627547	2.60955E-06	0.004736756
1815.199964	105.287783	2.3762E-06	0.004313276

1815.239964	111.151159	2.50853E-06	0.004553578
1815.279964	115.534734	2.60746E-06	0.004733266
1815.319964	110.39749	2.49152E-06	0.004522902
1815.359964	106.570386	2.40515E-06	0.004366204
1815.399964	113.112725	2.5528E-06	0.004634347
1815.439964	116.841153	2.63694E-06	0.00478721
1815.479964	107.601332	2.42841E-06	0.004408734
1815.519964	102.014388	2.30232E-06	0.004179913
1815.559964	84.803356	1.91389E-06	0.003474789
1815.599964	76.02455	1.71577E-06	0.003115149
1815.639964	89.584289	2.02179E-06	0.003670847
1815.679964	97.746911	2.20601E-06	0.004005411
1815.719964	92.869456	2.09593E-06	0.00380563
1815.759964	92.900516	2.09664E-06	0.003806986
1815.799964	92.375837	2.08479E-06	0.003785569
1815.839964	103.778048	2.34213E-06	0.004252926
1815.879964	113.917283	2.57095E-06	0.004668545
1815.919964	99.174232	2.23822E-06	0.004064436
1815.959964	84.883375	1.9157E-06	0.003478834
1815.999964	81.278545	1.83434E-06	0.003331168
1816.039964	87.438992	1.97338E-06	0.00358373
1816.079964	86.145387	1.94418E-06	0.003530789
1816.119964	88.584362	1.99923E-06	0.003630834
1816.159964	99.746029	2.25113E-06	0.00408841
1816.199964	110.3143	2.48964E-06	0.004521684
1816.239964	107.527747	2.42675E-06	0.004407563
1816.279964	99.9759	2.25632E-06	0.004098103
1816.319964	109.672075	2.47515E-06	0.004495657
1816.359964	112.774278	2.54516E-06	0.004622924
1816.399964	104.359729	2.35525E-06	0.004278083
1816.439964	87.920377	1.98424E-06	0.003604254
1816.479964	77.346559	1.7456E-06	0.003170855
1816.519964	77.910308	1.75833E-06	0.003194036
1816.559964	78.597513	1.77384E-06	0.00322228
1816.599964	77.237999	1.74315E-06	0.003166614
1816.639964	79.376775	1.79142E-06	0.003254371
1816.679964	71.412364	1.61168E-06	0.002927902
1816.719964	78.135645	1.76341E-06	0.003203627
1816.759964	111.468403	2.51569E-06	0.004570399
1816.799964	126.554393	2.85616E-06	0.005189065
1816.839964	118.228322	2.66825E-06	0.004847781
1816.879964	113.670402	2.56538E-06	0.004660992
1816.919964	99.393905	2.24318E-06	0.004075682
1816.959964	71.56686	1.61516E-06	0.002934689
1816.999964	71.533355	1.61441E-06	0.00293338
1817.039964	78.683773	1.77578E-06	0.003226669

1817.079964	72.852904	1.64419E-06	0.002987622
1817.119964	78.348734	1.76822E-06	0.003213071
1817.159964	95.486659	2.155E-06	0.003915981
1817.199964	102.24425	2.30751E-06	0.004193208
1817.239964	87.829188	1.98218E-06	0.003602101
1817.279964	80.0284	1.80613E-06	0.003282243
1817.319964	90.941504	2.05242E-06	0.003729909
1817.359964	106.910675	2.41283E-06	0.004384972
1817.399964	107.06483	2.4163E-06	0.004391391
1817.439964	105.764654	2.38696E-06	0.004338158
1817.479964	103.211522	2.32934E-06	0.004233529
1817.519964	101.551664	2.29188E-06	0.004165537
1817.559964	102.684195	2.31744E-06	0.004212085
1817.599964	108.281233	2.44376E-06	0.004441772
1817.639964	109.993776	2.48241E-06	0.004512121
1817.679964	106.368136	2.40058E-06	0.004363487
1817.719964	105.198663	2.37419E-06	0.004315608
1817.759964	96.466918	2.17712E-06	0.003957489
1817.799964	88.271132	1.99216E-06	0.003621342
1817.839964	90.034651	2.03196E-06	0.003693772
1817.879964	97.971745	2.21109E-06	0.004019489
1817.919964	94.441866	2.13142E-06	0.003874753
1817.959964	93.450186	2.10904E-06	0.003834151
1817.999964	95.386115	2.15273E-06	0.003913666
1818.039964	98.542686	2.22397E-06	0.004043268
1818.079964	99.899134	2.25458E-06	0.004099015
1818.119964	97.618557	2.20311E-06	0.004005527
1818.159964	92.656041	2.09112E-06	0.003801987
1818.199964	101.652426	2.29415E-06	0.00417123
1818.239964	98.817173	2.23017E-06	0.004054977
1818.279964	79.276322	1.78916E-06	0.003253187
1818.319964	92.42392	2.08588E-06	0.003792796
1818.359964	119.071628	2.68728E-06	0.004886444
1818.399964	112.635871	2.54203E-06	0.004622436
1818.439964	96.783085	2.18426E-06	0.003971945
1818.479964	86.076906	1.94264E-06	0.003532644
1818.519964	83.749266	1.8901E-06	0.003437192
1818.559964	89.024869	2.00917E-06	0.003653791
1818.599964	82.046229	1.85167E-06	0.003367445
1818.639964	70.598922	1.59332E-06	0.002897674
1818.679964	76.223597	1.72026E-06	0.003128603
1818.719964	83.412954	1.88251E-06	0.003423766
1818.759964	84.672475	1.91094E-06	0.003475541
1818.799964	100.584462	2.27005E-06	0.004128769
1818.839964	111.590598	2.51844E-06	0.004580647
1818.879964	95.251008	2.14968E-06	0.003910015

1818.919964	87.262481	1.96939E-06	0.003582168
1818.959964	90.375746	2.03965E-06	0.00371005
1818.999964	81.434404	1.83786E-06	0.003343069
1819.039964	81.015781	1.82841E-06	0.003325957
1819.079964	89.998598	2.03114E-06	0.003694812
1819.119964	85.549872	1.93074E-06	0.00351225
1819.159964	78.366188	1.76862E-06	0.003217395
1819.199964	96.12489	2.1694E-06	0.003946581
1819.239964	112.911446	2.54825E-06	0.004635886
1819.279964	109.575364	2.47296E-06	0.004499013
1819.319964	128.397339	2.89775E-06	0.005271933
1819.359964	132.191129	2.98337E-06	0.005427823
1819.399964	114.985739	2.59507E-06	0.004721467
1819.439964	100.00227	2.25691E-06	0.004106316
1819.479964	96.625336	2.1807E-06	0.003967739
1819.519964	93.408969	2.10811E-06	0.003835749
1819.559964	98.516451	2.22338E-06	0.004045572
1819.599964	107.590922	2.42818E-06	0.004418311
1819.639964	89.871848	2.02828E-06	0.003690744
1819.679964	72.405829	1.6341E-06	0.002973537
1819.719964	76.356225	1.72325E-06	0.003135839
1819.759964	88.849977	2.00522E-06	0.003649019
1819.799964	82.635801	1.86497E-06	0.003393881
1819.839964	93.285495	2.10532E-06	0.003831352
1819.879964	96.4198	2.17606E-06	0.003960169
1819.919964	90.412018	2.04047E-06	0.003713498
1819.959964	95.931906	2.16505E-06	0.003940303
1819.999964	109.617702	2.47392E-06	0.004502532
1820.039964	111.957846	2.52673E-06	0.004598754
1820.079964	93.270857	2.10499E-06	0.003831256
1820.119964	76.855014	1.73451E-06	0.003157017
1820.159964	73.310567	1.65452E-06	0.003011486
1820.199964	70.055921	1.58106E-06	0.002877854
1820.239964	75.795119	1.71059E-06	0.003113685
1820.279964	98.608431	2.22545E-06	0.004050951
1820.319964	108.972469	2.45936E-06	0.004476816
1820.359964	100.093034	2.25896E-06	0.004112121
1820.399964	85.688399	1.93387E-06	0.003520413
1820.439964	83.751955	1.89016E-06	0.003440932
1820.479964	85.923878	1.93918E-06	0.003530242
1820.519964	91.57119	2.06663E-06	0.003762349
1820.559964	99.183265	2.23843E-06	0.004075193
1820.599964	105.341498	2.37741E-06	0.004328314
1820.639964	99.880629	2.25417E-06	0.004104026
1820.679964	92.380152	2.08489E-06	0.00379592
1820.719964	85.726037	1.93472E-06	0.003522578

1820.759964	82.023832	1.85116E-06	0.003370525
1820.799964	96.724161	2.18293E-06	0.003974678
1820.839964	103.782754	2.34223E-06	0.00426483
1820.879964	92.149948	2.0797E-06	0.003786877
1820.919964	85.775258	1.93583E-06	0.003524988
1820.959964	93.888269	2.11893E-06	0.003858482
1820.999964	102.849386	2.32117E-06	0.004226846
1821.039964	102.16767	2.30578E-06	0.004198921
1821.079964	85.689178	1.93389E-06	0.00352176
1821.119964	71.028492	1.60301E-06	0.002919281
1821.159964	81.329633	1.8355E-06	0.003342733
1821.199964	104.411079	2.35641E-06	0.004291499
1821.239964	105.635933	2.38406E-06	0.004341938
1821.279964	97.647323	2.20376E-06	0.004013671
1821.319964	110.464262	2.49302E-06	0.004540595
1821.359964	109.248957	2.4656E-06	0.004490739
1821.399964	93.905657	2.11932E-06	0.003860129
1821.439964	82.27958	1.85694E-06	0.003382297
1821.479964	94.088984	2.12346E-06	0.003867835
1821.519964	98.486582	2.2227E-06	0.004048701
1821.559964	106.663693	2.40725E-06	0.004384952
1821.599964	101.066051	2.28092E-06	0.004154924
1821.639964	93.056796	2.10016E-06	0.00382574
1821.679964	96.126563	2.16944E-06	0.00395203
1821.719964	95.190671	2.14832E-06	0.003913639
1821.759964	92.115011	2.07891E-06	0.00378727
1821.799964	88.651714	2.00075E-06	0.003644958
1821.839964	90.654026	2.04594E-06	0.003727366
1821.879964	95.276275	2.15025E-06	0.003917503
1821.919964	105.12797	2.37259E-06	0.004322672
1821.959964	114.673292	2.58802E-06	0.004715262
1821.999964	101.664523	2.29443E-06	0.004180445
1822.039964	84.799957	1.91382E-06	0.003487051
1822.079964	79.058074	1.78423E-06	0.003251011
1822.119964	74.787613	1.68785E-06	0.003075469
1822.159964	72.944133	1.64625E-06	0.002999726
1822.199964	101.094107	2.28155E-06	0.004157446
1822.239964	112.679557	2.54302E-06	0.004633994
1822.279964	107.294008	2.42148E-06	0.004412608
1822.319964	102.83597	2.32086E-06	0.004229358
1822.359964	97.548759	2.20154E-06	0.004011998
1822.399964	96.929294	2.18756E-06	0.003986608
1822.439964	101.748852	2.29633E-06	0.004184923
1822.479964	93.788762	2.11668E-06	0.00385761
1822.519964	72.717324	1.64113E-06	0.00299099
1822.559964	66.191804	1.49386E-06	0.002722644

1822.599964	82.415253	1.86E-06	0.003390031
1822.639964	101.747116	2.29629E-06	0.004185311
1822.679964	108.260262	2.44328E-06	0.004453324
1822.719964	95.395378	2.15294E-06	0.003924208
1822.759964	73.785191	1.66523E-06	0.003035313
1822.799964	74.154818	1.67357E-06	0.003050585
1822.839964	81.921103	1.84885E-06	0.003370149
1822.879964	83.644841	1.88775E-06	0.003441137
1822.919964	87.40852	1.97269E-06	0.003596053
1822.959964	95.65152	2.15872E-06	0.003935263
1822.999964	90.700565	2.04699E-06	0.003731654
1823.039964	84.895904	1.91598E-06	0.003492912
1823.079964	90.148977	2.03454E-06	0.003709123
1823.119964	98.750486	2.22866E-06	0.004063116
1823.159964	102.171801	2.30588E-06	0.004203979
1823.199964	99.185257	2.23847E-06	0.004081184
1823.239964	104.97033	2.36903E-06	0.004319318
1823.279964	120.377101	2.71674E-06	0.004953384
1823.319964	124.513874	2.8101E-06	0.00512372
1823.359964	128.017444	2.88918E-06	0.005268007
1823.399964	130.941872	2.95518E-06	0.005388467
1823.439964	116.476697	2.62872E-06	0.004793307
1823.479964	106.115854	2.39489E-06	0.004367028
1823.519964	100.098748	2.25909E-06	0.004119494
1823.559964	94.115146	2.12405E-06	0.003873328
1823.599964	90.81487	2.04957E-06	0.003737587
1823.639964	90.616897	2.0451E-06	0.003729521
1823.679964	88.953736	2.00756E-06	0.00366115
1823.719964	81.374234	1.8365E-06	0.003349267
1823.759964	77.401777	1.74685E-06	0.003185836
1823.799964	76.222003	1.72022E-06	0.003137345
1823.839964	71.038236	1.60323E-06	0.002924042
1823.879964	68.119507	1.53736E-06	0.002803964
1823.919964	76.209497	1.71994E-06	0.003137037
1823.959964	84.354499	1.90376E-06	0.003472388
1823.999964	82.82518	1.86925E-06	0.00340951
1824.039964	79.149572	1.7863E-06	0.003258275
1824.079964	71.960703	1.62405E-06	0.002962402
1824.119964	75.315896	1.69977E-06	0.003100593
1824.159964	85.472748	1.929E-06	0.003518806
1824.199964	86.946198	1.96225E-06	0.003579545
1824.239964	76.554484	1.72773E-06	0.003151791
1824.279964	78.615822	1.77425E-06	0.003236728
1824.319964	78.579313	1.77343E-06	0.003235296
1824.359964	70.120662	1.58253E-06	0.002887096
1824.399964	63.698081	1.43758E-06	0.002622715

1824.439964	71.46619	1.61289E-06	0.002942625
1824.479964	79.057295	1.78421E-06	0.003255261
1824.519964	84.582856	1.90892E-06	0.003482858
1824.559964	102.155316	2.3055E-06	0.004206529
1824.599964	99.900469	2.25461E-06	0.004113769
1824.639964	95.118659	2.1467E-06	0.003916947
1824.679964	95.094878	2.14616E-06	0.003916053
1824.719964	86.749861	1.95782E-06	0.00357248
1824.759964	90.719886	2.04742E-06	0.003736053
1824.799964	99.345582	2.24209E-06	0.004091368
1824.839964	94.742096	2.1382E-06	0.003901868
1824.879964	85.626055	1.93246E-06	0.003526509
1824.919964	86.106282	1.9433E-06	0.003546365
1824.959964	84.616	1.90967E-06	0.003485063
1824.999964	79.513385	1.79451E-06	0.003274974
1825.039964	85.028773	1.91898E-06	0.003502217
1825.079964	91.567397	2.06655E-06	0.003771616
1825.119964	93.441691	2.10885E-06	0.003848902
1825.159964	96.227991	2.17173E-06	0.003963758
1825.199964	97.39053	2.19797E-06	0.004011732
1825.239964	92.538395	2.08846E-06	0.003811946
1825.279964	84.968672	1.91762E-06	0.003500202
1825.319964	82.119561	1.85332E-06	0.003382909
1825.359964	92.104593	2.07867E-06	0.003794325
1825.399964	106.399556	2.40129E-06	0.004383314
1825.439964	115.083151	2.59727E-06	0.004741154
1825.479964	131.196876	2.96093E-06	0.00540512
1825.519964	141.030444	3.18286E-06	0.005810376
1825.559964	121.285378	2.73724E-06	0.004996999
1825.599964	111.576983	2.51814E-06	0.004597111
1825.639964	100.705754	2.27279E-06	0.004149294
1825.679964	92.753701	2.09332E-06	0.003821736
1825.719964	86.099406	1.94314E-06	0.003547636
1825.759964	71.413013	1.61169E-06	0.002942563
1825.799964	73.310039	1.65451E-06	0.003020796
1825.839964	74.615122	1.68396E-06	0.00307464
1825.879964	65.714712	1.48309E-06	0.002707943
1825.919964	61.106661	1.37909E-06	0.002518112
1825.959964	68.829256	1.55338E-06	0.00283641
1825.999964	80.874221	1.82522E-06	0.003332849
1826.039964	74.979256	1.69218E-06	0.003089984
1826.079964	80.525031	1.81734E-06	0.003318604
1826.119964	101.199372	2.28393E-06	0.004170728
1826.159964	89.47229	2.01926E-06	0.003687501
1826.199964	82.045292	1.85165E-06	0.003381479
1826.239964	84.051659	1.89693E-06	0.003464247

1826.279964	81.366939	1.83634E-06	0.003353668
1826.319964	78.655583	1.77515E-06	0.003241986
1826.359964	75.50849	1.70412E-06	0.003112339
1826.399964	84.620961	1.90978E-06	0.003488017
1826.439964	98.11196	2.21425E-06	0.004044195
1826.479964	92.997802	2.09883E-06	0.003833473
1826.519964	75.119955	1.69535E-06	0.003096596
1826.559964	68.276787	1.54091E-06	0.002814568
1826.599964	80.363118	1.81368E-06	0.003312874
1826.639964	95.562548	2.15671E-06	0.003939539
1826.679964	97.792495	2.20704E-06	0.004031556
1826.719964	102.895961	2.32222E-06	0.004242043
1826.759964	98.734443	2.2283E-06	0.004070567
1826.799964	98.909951	2.23226E-06	0.004077892
1826.839964	92.65697	2.09114E-06	0.003820176
1826.879964	81.958128	1.84968E-06	0.003379145
1826.919964	77.128554	1.74068E-06	0.00318009
1826.959964	76.599346	1.72874E-06	0.00315834
1826.999964	72.925192	1.64582E-06	0.003006913
1827.039964	64.144567	1.44765E-06	0.002644921
1827.079964	69.084914	1.55915E-06	0.002848692
1827.119964	70.131259	1.58276E-06	0.002891901
1827.159964	81.289718	1.8346E-06	0.0033521
1827.199964	88.809395	2.0043E-06	0.003662265
1827.239964	88.995679	2.00851E-06	0.003670027
1827.279964	82.353977	1.85861E-06	0.003396209
1827.319964	90.098912	2.03341E-06	0.003715685
1827.359964	104.157933	2.3507E-06	0.004295574
1827.399964	94.747863	2.13833E-06	0.003907579
1827.439964	95.622896	2.15808E-06	0.003943754
1827.479964	107.111957	2.41737E-06	0.004417691
1827.519964	102.74864	2.31889E-06	0.004237825
1827.559964	87.740785	1.98019E-06	0.003618911
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1827.679964	60.596575	1.36758E-06	0.002499499
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1827.799964	76.28375	1.72162E-06	0.003146773
1827.839964	77.021623	1.73827E-06	0.003177281
1827.879964	73.00398	1.6476E-06	0.003011612
1827.919964	76.544777	1.72751E-06	0.003157748
1827.959964	85.851641	1.93755E-06	0.003541767
1827.999964	83.751663	1.89016E-06	0.003455209
1828.039964	83.912407	1.89379E-06	0.003461917
1828.079964	79.831349	1.80168E-06	0.003293619

1828.119964	87.25444	1.96921E-06	0.003599954
1828.159964	94.01986	2.1219E-06	0.003879168
1828.199964	92.066177	2.07781E-06	0.003798644
1828.239964	87.566874	1.97626E-06	0.003613082
1828.279964	100.376631	2.26536E-06	0.004141714
1828.319964	115.886631	2.6154E-06	0.004781788
1828.359964	104.513657	2.35873E-06	0.004312603
1828.399964	100.022115	2.25736E-06	0.004127357
1828.439964	94.263933	2.12741E-06	0.003889834
1828.479964	78.740088	1.77705E-06	0.003249308
1828.519964	75.813018	1.71099E-06	0.003128587
1828.559964	77.092189	1.73986E-06	0.003181444
1828.599964	85.465024	1.92883E-06	0.003527052
1828.639964	81.254937	1.83381E-06	0.00335338
1828.679964	68.821583	1.55321E-06	0.002840319
1828.719964	70.211586	1.58458E-06	0.002897749
1828.759964	91.016745	2.05412E-06	0.003756495
1828.799964	115.446007	2.60546E-06	0.004764857
1828.839964	109.669182	2.47508E-06	0.004526526
1828.879964	113.01161	2.55051E-06	0.004664585
1828.919964	108.564386	2.45015E-06	0.004481123
1828.959964	101.6633	2.2944E-06	0.004196364
1828.999964	87.238807	1.96886E-06	0.003601042
1829.039964	83.710681	1.88923E-06	0.003455484
1829.079964	91.65204	2.06846E-06	0.003783377
1829.119964	98.017613	2.21212E-06	0.004046235
1829.159964	96.696826	2.18231E-06	0.003991799
1829.199964	89.872828	2.0283E-06	0.003710175
1829.239964	83.520609	1.88494E-06	0.003448015
1829.279964	75.398134	1.70163E-06	0.003112759
1829.319964	76.682581	1.73062E-06	0.003165856
1829.359964	82.326686	1.858E-06	0.003398948
1829.399964	90.479977	2.04201E-06	0.003735648
1829.439964	100.328835	2.26428E-06	0.004142368
1829.479964	102.510959	2.31353E-06	0.004232556
1829.519964	105.062399	2.37111E-06	0.004337997
1829.559964	93.091355	2.10094E-06	0.0038438
1829.599964	71.863659	1.62186E-06	0.00296736
1829.639964	56.149762	1.26722E-06	0.00231856
1829.679964	69.138559	1.56036E-06	0.002854961
1829.719964	89.611688	2.02241E-06	0.003700446
1829.759964	98.606732	2.22542E-06	0.004071978
1829.799964	90.788081	2.04896E-06	0.003749188
1829.839964	83.670968	1.88834E-06	0.003455355
1829.879964	85.797509	1.93633E-06	0.003543252
1829.919964	89.106466	2.01101E-06	0.003679985

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1829.999964	90.003384	2.03125E-06	0.003717189
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1830.079964	93.892159	2.11902E-06	0.003877967
1830.119964	89.168634	2.01241E-06	0.003682955
1830.159964	84.078703	1.89754E-06	0.0034728
1830.199964	90.926413	2.05208E-06	0.003755721
1830.239964	86.972967	1.96286E-06	0.003592502
1830.279964	72.659468	1.63982E-06	0.003001335
1830.319964	74.017636	1.67047E-06	0.003057504
1830.359964	86.060535	1.94227E-06	0.003555047
1830.399964	89.973432	2.03058E-06	0.003716764
1830.439964	82.383544	1.85928E-06	0.003403304
1830.479964	82.336806	1.85823E-06	0.003401447
1830.519964	84.201162	1.9003E-06	0.003478542
1830.559964	88.433458	1.99582E-06	0.003653468
1830.599964	100.713383	2.27296E-06	0.004160882
1830.639964	104.281411	2.35349E-06	0.004308386
1830.679964	89.020245	2.00906E-06	0.003677951
1830.719964	76.934173	1.7363E-06	0.003178674
1830.759964	71.204499	1.60699E-06	0.002942006
1830.799964	65.926283	1.48786E-06	0.002723982
1830.839964	84.313135	1.90283E-06	0.003483777
1830.879964	101.331772	2.28692E-06	0.00418707
1830.919964	106.55764	2.40486E-06	0.004403102
1830.959964	93.433492	2.10866E-06	0.003860879
1830.999964	83.640563	1.88765E-06	0.003456289
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1831.079964	72.407412	1.63413E-06	0.002992231
1831.119964	85.004461	1.91843E-06	0.00351288
1831.159964	99.681091	2.24966E-06	0.004119494
1831.199964	108.245827	2.44296E-06	0.004473544
1831.239964	109.478161	2.47077E-06	0.004524572
1831.279964	92.736843	2.09294E-06	0.003832762
1831.319964	82.450605	1.8608E-06	0.003407712
1831.359964	90.308177	2.03813E-06	0.003732549
1831.399964	100.85425	2.27614E-06	0.004168523
1831.439964	93.95764	2.12049E-06	0.003883556
1831.479964	85.54894	1.93072E-06	0.003536076
1831.519964	78.580195	1.77345E-06	0.003248101
1831.559964	72.131395	1.62791E-06	0.002981606
1831.599964	82.517338	1.8623E-06	0.003410991
1831.639964	86.71601	1.95706E-06	0.003584629
1831.679964	81.835227	1.84691E-06	0.003382943
1831.719964	82.991653	1.87301E-06	0.003430823
1831.759964	83.517455	1.88487E-06	0.003452634

1831.799964	78.739383	1.77704E-06	0.003255179
1831.839964	79.187572	1.78715E-06	0.003273779
1831.879964	76.739485	1.7319E-06	0.003172639
1831.919964	78.422286	1.76988E-06	0.003242282
1831.959964	71.18936	1.60664E-06	0.002943309
1831.999964	67.563463	1.52481E-06	0.002793458
1832.039964	67.617592	1.52603E-06	0.002795757
1832.079964	63.201106	1.42636E-06	0.002613207
1832.119964	61.481418	1.38755E-06	0.002542158
1832.159964	64.14236	1.4476E-06	0.002652242
1832.199964	79.841341	1.80191E-06	0.003301456
1832.239964	92.606513	2.09E-06	0.003829382
1832.279964	93.415212	2.10825E-06	0.003862906
1832.319964	87.765674	1.98075E-06	0.003629366
1832.359964	95.349309	2.1519E-06	0.003943057
1832.399964	106.734774	2.40886E-06	0.004413986
1832.439964	104.910109	2.36768E-06	0.004338622
1832.479964	91.485564	2.0647E-06	0.003783525
1832.519964	85.344797	1.92611E-06	0.003529641
1832.559964	93.419503	2.10835E-06	0.003863674
1832.599964	88.170495	1.98989E-06	0.003646664
1832.639964	78.281638	1.76671E-06	0.003237739
1832.679964	84.341717	1.90348E-06	0.003488461
1832.719964	96.887625	2.18662E-06	0.00400746
1832.759964	93.51054	2.1104E-06	0.003867861
1832.799964	86.187381	1.94513E-06	0.003565033
1832.839964	84.120259	1.89848E-06	0.003479605
1832.879964	83.023036	1.87371E-06	0.003434293
1832.919964	79.728776	1.79937E-06	0.003298096
1832.959964	74.400922	1.67913E-06	0.003077769
1832.999963	76.571736	1.72812E-06	0.003167639
1833.039963	81.579178	1.84113E-06	0.003374862
1833.079963	85.080274	1.92014E-06	0.003519776
1833.119963	86.350668	1.94881E-06	0.00357241
1833.159963	80.00598	1.80562E-06	0.003309997
1833.199963	78.637569	1.77474E-06	0.003253454
1833.239963	91.791295	2.0716E-06	0.003797743
1833.279963	99.396866	2.24325E-06	0.004112503
1833.319963	90.98683	2.05345E-06	0.003764624
1833.359963	89.559645	2.02124E-06	0.003705654
1833.399963	83.712866	1.88928E-06	0.003463811
1833.439963	90.937349	2.05233E-06	0.003762823
1833.479963	95.711383	2.16007E-06	0.00396045
1833.519963	83.194278	1.87758E-06	0.003442579
1833.559963	67.963833	1.53385E-06	0.002812404
1833.599963	73.525363	1.65937E-06	0.003042612

1833.639963	92.42738	2.08596E-06	0.003824895
1833.679963	95.441051	2.15397E-06	0.003949695
1833.719963	88.6114	1.99984E-06	0.003667139
1833.759963	78.000479	1.76036E-06	0.003228082
1833.799963	83.599747	1.88673E-06	0.003459885
1833.839963	89.755229	2.02565E-06	0.003714719
1833.879963	81.946648	1.84942E-06	0.003391617
1833.919963	77.598773	1.7513E-06	0.003211737
1833.959963	66.160688	1.49315E-06	0.002738386
1833.999963	78.394057	1.76924E-06	0.003244795
1834.039963	94.375882	2.12993E-06	0.003906381
1834.079963	82.379466	1.85919E-06	0.003409903
1834.119963	71.14936	1.60574E-06	0.002945123
1834.159963	73.036723	1.64834E-06	0.003023314
1834.199963	74.156752	1.67361E-06	0.003069744
1834.239963	84.362044	1.90393E-06	0.003492272
1834.279963	105.873275	2.38941E-06	0.004382851
1834.319963	99.210217	2.23904E-06	0.004107109
1834.359963	99.343731	2.24205E-06	0.004112726
1834.399963	113.397628	2.55923E-06	0.004694645
1834.439963	116.860276	2.63737E-06	0.004838104
1834.479963	105.869504	2.38933E-06	0.004383173
1834.519963	91.846507	2.07285E-06	0.003802681
1834.559963	89.263884	2.01456E-06	0.003695834
1834.599963	82.325994	1.85798E-06	0.003408656
1834.639963	80.495537	1.81667E-06	0.003332939
1834.679963	82.375881	1.85911E-06	0.00341087
1834.719963	82.605432	1.86429E-06	0.003420449
1834.759963	85.413028	1.92765E-06	0.003536781
1834.799963	90.952231	2.05267E-06	0.00376623
1834.839963	95.072623	2.14566E-06	0.003936937
1834.879963	99.784898	2.25201E-06	0.004132161
1834.919963	83.409834	1.88244E-06	0.003454134
1834.959963	75.204556	1.69726E-06	0.003114408
1834.999963	85.934815	1.93943E-06	0.003558852
1835.039963	93.854722	2.11817E-06	0.003886927
1835.079963	97.009471	2.18937E-06	0.004017667
1835.119963	100.533734	2.26891E-06	0.004163715
1835.159963	106.88259	2.41219E-06	0.004426757
1835.199963	120.295595	2.7149E-06	0.004982392
1835.239963	118.741381	2.67983E-06	0.004918127
1835.279963	104.893685	2.3673E-06	0.004344666
1835.319963	95.821314	2.16255E-06	0.003968978
1835.359963	84.617242	1.90969E-06	0.003504975
1835.399963	78.943866	1.78165E-06	0.003270046
1835.439963	87.968611	1.98533E-06	0.003643952

1835.479963	88.561997	1.99872E-06	0.003668612
1835.519963	76.564001	1.72794E-06	0.003171674
1835.559963	77.704842	1.75369E-06	0.003219003
1835.599963	81.530673	1.84003E-06	0.003377566
1835.639963	79.181574	1.78702E-06	0.003280321
1835.679963	84.381745	1.90438E-06	0.003495829
1835.719963	80.283778	1.81189E-06	0.003326128
1835.759963	70.264603	1.58577E-06	0.002911101
1835.799963	81.437019	1.83792E-06	0.003374054
1835.839963	100.939038	2.27805E-06	0.004182142
1835.879963	96.846613	2.18569E-06	0.00401267
1835.919963	92.933164	2.09737E-06	0.003850607
1835.959963	89.978552	2.03069E-06	0.003728267
1835.999963	92.281118	2.08266E-06	0.003823757
1836.039963	82.915452	1.87129E-06	0.003435756
1836.079963	81.36872	1.83638E-06	0.003371738
1836.119963	97.482631	2.20005E-06	0.004039551
1836.159963	97.047641	2.19023E-06	0.004021613
1836.199963	92.156495	2.07984E-06	0.003819009
1836.239963	87.435668	1.9733E-06	0.003623455
1836.279963	87.986055	1.98572E-06	0.003646343
1836.319963	83.586517	1.88643E-06	0.003464091
1836.359963	88.822519	2.0046E-06	0.003681168
1836.399963	101.638613	2.29384E-06	0.004212411
1836.439963	101.317971	2.28661E-06	0.004199214
1836.479963	104.735775	2.36374E-06	0.004340962
1836.519963	93.304949	2.10576E-06	0.003867275
1836.559963	70.806138	1.598E-06	0.002934815
1836.599963	57.19303	1.29077E-06	0.002370623
1836.639963	71.659858	1.61726E-06	0.00297033
1836.679963	79.499951	1.7942E-06	0.003295377
1836.719963	79.500867	1.79422E-06	0.003295487
1836.759963	79.311419	1.78995E-06	0.003287705
1836.799963	66.159442	1.49313E-06	0.002742575
1836.839963	63.721911	1.43811E-06	0.002641587
1836.879963	89.691988	2.02422E-06	0.003718255
1836.919963	101.450885	2.28961E-06	0.004205821
1836.959963	91.472619	2.06441E-06	0.003792238
1836.999963	83.099833	1.87545E-06	0.003445197
1837.039963	67.128248	1.51499E-06	0.002783099
1837.079963	69.457168	1.56755E-06	0.002879718
1837.119963	90.669114	2.04628E-06	0.003759254
1837.159963	100.287299	2.26334E-06	0.004158126
1837.199963	91.95109	2.07521E-06	0.003812572
1837.239963	98.171401	2.21559E-06	0.004070574
1837.279963	99.574129	2.24725E-06	0.004128826

1837.319963	92.071461	2.07792E-06	0.003817812
1837.359963	94.140629	2.12462E-06	0.003903697
1837.399963	93.063823	2.10032E-06	0.003859129
1837.439963	96.131319	2.16955E-06	0.003986418
1837.479963	105.583273	2.38287E-06	0.004378471
1837.519963	95.257585	2.14983E-06	0.003950357
1837.559963	84.095243	1.89791E-06	0.003487528
1837.599963	74.745268	1.6869E-06	0.003099841
1837.639963	72.231706	1.63017E-06	0.002995664
1837.679963	86.528137	1.95282E-06	0.003588657
1837.719963	94.309214	2.12843E-06	0.003911454
1837.759963	80.001768	1.80553E-06	0.003318128
1837.799963	64.117153	1.44703E-06	0.002659361
1837.839963	61.472934	1.38736E-06	0.002549743
1837.879963	63.462804	1.43227E-06	0.002632335
1837.919963	70.461694	1.59022E-06	0.002922701
1837.959963	74.506972	1.68152E-06	0.003090564
1837.999963	69.430938	1.56696E-06	0.002880072
1838.039963	62.125098	1.40208E-06	0.002577073
1838.079963	58.942249	1.33024E-06	0.002445096
1838.119963	64.629002	1.45859E-06	0.002681057
1838.159963	71.57666	1.61539E-06	0.002969337
1838.199963	87.185842	1.96766E-06	0.003616958
1838.239963	93.434971	2.1087E-06	0.003876291
1838.279963	90.912142	2.05176E-06	0.00377171
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1838.359963	103.757901	2.34167E-06	0.004304835
1838.399963	106.654821	2.40705E-06	0.004425122
1838.439963	108.404529	2.44654E-06	0.004497815
1838.479963	101.882926	2.29936E-06	0.004227319
1838.519963	95.574933	2.15699E-06	0.003965675
1838.559963	85.386975	1.92707E-06	0.003543025
1838.599963	82.754524	1.86765E-06	0.003433869
1838.639963	98.869166	2.23134E-06	0.00410263
1838.679963	94.849167	2.14061E-06	0.003935903
1838.719963	75.329663	1.70009E-06	0.003125981
1838.759963	61.757775	1.39379E-06	0.00256284
1838.799963	53.012666	1.19642E-06	0.002199981
1838.839963	58.19397	1.31336E-06	0.002415053
1838.879963	84.834788	1.9146E-06	0.003520725
1838.919963	93.729082	2.11533E-06	0.003889931
1838.959963	96.894153	2.18677E-06	0.004021375
1838.999963	93.595202	2.11231E-06	0.003884544
1839.039963	83.422056	1.88272E-06	0.003462397
1839.079963	88.937201	2.00719E-06	0.003691381
1839.119963	87.18876	1.96773E-06	0.003618889

1839.159963	74.604326	1.68372E-06	0.003096623
1839.199963	78.615786	1.77425E-06	0.003263198
1839.239963	94.030951	2.12215E-06	0.003903139
1839.279963	97.73448	2.20573E-06	0.004056957
1839.319963	121.511176	2.74234E-06	0.005044037
1839.359963	137.103236	3.09423E-06	0.005691401
1839.399963	119.157246	2.68921E-06	0.004946538
1839.439963	100.42439	2.26644E-06	0.004168978
1839.479963	95.437839	2.1539E-06	0.003962054
1839.519963	104.189602	2.35141E-06	0.004325473
1839.559963	94.679174	2.13678E-06	0.00393073
1839.599963	85.627042	1.93248E-06	0.003554996
1839.639963	86.194021	1.94528E-06	0.003578613
1839.679963	84.443242	1.90577E-06	0.003506
1839.719963	81.959602	1.84971E-06	0.003402956
1839.759963	76.58612	1.72844E-06	0.003179918
1839.799963	72.734274	1.64151E-06	0.003020052
1839.839963	81.773279	1.84551E-06	0.003395441
1839.879963	93.779438	2.11647E-06	0.003894053
1839.919963	99.490308	2.24536E-06	0.004131278
1839.959963	110.860923	2.50198E-06	0.004603537
1839.999963	102.10634	2.3044E-06	0.004240092
1840.039963	95.202394	2.14859E-06	0.003953483
1840.079963	102.333347	2.30952E-06	0.004249704
1840.119963	95.239702	2.14943E-06	0.003955204
1840.159963	93.771182	2.11628E-06	0.003894303
1840.199963	94.141642	2.12465E-06	0.003909773
1840.239963	91.716115	2.0699E-06	0.003809122
1840.279963	87.27488	1.96967E-06	0.003624749
1840.319963	78.334258	1.7679E-06	0.003253493
1840.359963	78.192613	1.7647E-06	0.00324768
1840.399963	95.420844	2.15352E-06	0.00396333
1840.439963	105.447031	2.37979E-06	0.004379865
1840.479963	111.36662	2.51339E-06	0.004625843
1840.519963	108.811187	2.45572E-06	0.004519796
1840.559963	97.313595	2.19623E-06	0.004042297
1840.599963	74.179108	1.67412E-06	0.003081384
1840.639963	77.425298	1.74738E-06	0.0032163
1840.679963	103.10114	2.32685E-06	0.004282985
1840.719963	107.000781	2.41486E-06	0.004445078
1840.759963	83.798786	1.89122E-06	0.003481286
1840.799963	71.06805	1.60391E-06	0.002952472
1840.839963	65.276282	1.47319E-06	0.002711916
1840.879963	59.73037	1.34803E-06	0.002481564
1840.919963	65.549578	1.47936E-06	0.002723388
1840.959963	78.955378	1.78191E-06	0.00328043

1840.999963	92.486301	2.08729E-06	0.003842695
1841.039963	80.509608	1.81699E-06	0.003345151
1841.079963	63.728573	1.43827E-06	0.002647961
1841.119963	55.821525	1.25981E-06	0.002319469
1841.159963	55.001046	1.2413E-06	0.002285426
1841.199963	63.877173	1.44162E-06	0.002654309
1841.239963	78.297426	1.76706E-06	0.003253589
1841.279963	83.086947	1.87516E-06	0.003452688
1841.319963	84.820718	1.91429E-06	0.003524812
1841.359963	83.888051	1.89324E-06	0.00348613
1841.399963	92.970617	2.09822E-06	0.003863657
1841.439963	95.607886	2.15774E-06	0.003973343
1841.479963	94.171492	2.12532E-06	0.003913733
1841.519963	96.978298	2.18867E-06	0.00403047
1841.559963	89.81344	2.02696E-06	0.003732776
1841.599963	75.357364	1.70071E-06	0.003132029
1841.639963	71.313628	1.60945E-06	0.002964026
1841.679963	82.306464	1.85754E-06	0.003420998
1841.719963	100.532568	2.26888E-06	0.004178642
1841.759963	107.919351	2.43559E-06	0.004485771
1841.799963	110.960224	2.50422E-06	0.004612268
1841.839963	118.952636	2.6846E-06	0.004944595
1841.879963	117.904871	2.66095E-06	0.004901148
1841.919963	97.790548	2.207E-06	0.004065111
1841.959963	87.535781	1.97556E-06	0.003638904
1841.999963	87.160583	1.96709E-06	0.003623385
1842.039963	96.230213	2.17178E-06	0.004000509
1842.079963	90.231584	2.0364E-06	0.003751214
1842.119963	84.779387	1.91335E-06	0.003524625
1842.159963	83.43601	1.88303E-06	0.003468851
1842.199963	84.871156	1.91542E-06	0.003528594
1842.239963	90.982293	2.05334E-06	0.003782752
1842.279963	86.670045	1.95602E-06	0.00360354
1842.319963	95.747281	2.16088E-06	0.003981037
1842.359963	98.85475	2.23101E-06	0.004110331
1842.399963	82.819885	1.86913E-06	0.003443684
1842.439963	79.369208	1.79125E-06	0.003300275
1842.479963	84.684054	1.9112E-06	0.00352135
1842.519963	84.960639	1.91744E-06	0.003532928
1842.559963	78.498598	1.7716E-06	0.003264287
1842.599963	73.537557	1.65964E-06	0.003058053
1842.639963	69.943618	1.57853E-06	0.002908663
1842.679963	74.149852	1.67346E-06	0.003083649
1842.719963	83.764064	1.89044E-06	0.003483548
1842.759963	86.162516	1.94457E-06	0.003583372
1842.799963	75.406889	1.70183E-06	0.003136129

1842.839963	77.744877	1.75459E-06	0.003233435
1842.879963	84.745409	1.91259E-06	0.003524666
1842.919963	74.807905	1.68831E-06	0.003111421
1842.959963	67.802005	1.5302E-06	0.002820091
1842.999963	63.054603	1.42305E-06	0.00262269
1843.039963	65.260757	1.47284E-06	0.002714511
1843.079963	75.993475	1.71507E-06	0.003161005
1843.119963	92.160714	2.07994E-06	0.003833577
1843.159963	94.4126	2.13076E-06	0.003927333
1843.199963	93.677498	2.11417E-06	0.003896839
1843.239963	108.749349	2.45432E-06	0.004523903
1843.279963	106.413773	2.40161E-06	0.004426841
1843.319963	89.357841	2.01668E-06	0.00371739
1843.359963	75.082374	1.6945E-06	0.003123582
1843.399963	81.109469	1.83053E-06	0.003374395
1843.439963	95.95711	2.16562E-06	0.003992187
1843.479963	104.147143	2.35046E-06	0.004333018
1843.519963	91.697223	2.06948E-06	0.003815125
1843.559963	84.243171	1.90125E-06	0.00350507
1843.599963	89.314926	2.01571E-06	0.003716169
1843.639963	97.965132	2.21094E-06	0.004076171
1843.679963	93.409005	2.10811E-06	0.003886682
1843.719963	85.027471	1.91895E-06	0.003538009
1843.759963	85.611177	1.93213E-06	0.003562375
1843.799963	81.047979	1.82914E-06	0.003372568
1843.839963	66.706405	1.50547E-06	0.002775847
1843.879963	56.019217	1.26428E-06	0.002331173
1843.919963	57.708234	1.30239E-06	0.002401511
1843.959963	62.684052	1.41469E-06	0.002608635
1843.999963	64.267307	1.45042E-06	0.002674581
1844.039963	72.427289	1.63458E-06	0.003014236
1844.079963	101.357163	2.28749E-06	0.004218314
1844.119963	112.215591	2.53255E-06	0.004670325
1844.159963	89.77396	2.02607E-06	0.003736403
1844.199963	72.977293	1.647E-06	0.00303739
1844.239963	79.958941	1.80456E-06	0.003328045
1844.279963	93.030608	2.09957E-06	0.003872197
1844.319963	93.802166	2.11698E-06	0.003904396
1844.359963	83.363005	1.88139E-06	0.003469955
1844.399963	87.955906	1.98504E-06	0.003661212
1844.439963	90.301796	2.03799E-06	0.003758942
1844.479963	81.74289	1.84482E-06	0.003402739
1844.519963	90.733969	2.04774E-06	0.003777096
1844.559963	90.013947	2.03149E-06	0.003747204
1844.599963	71.705645	1.6183E-06	0.00298511
1844.639963	74.084843	1.67199E-06	0.003084223

1844.679963	85.826559	1.93699E-06	0.003573119
1844.719963	76.41883	1.72467E-06	0.003181527
1844.759963	74.834943	1.68892E-06	0.003115653
1844.799963	68.977986	1.55674E-06	0.002871868
1844.839963	60.574651	1.36709E-06	0.002522054
1844.879963	67.651409	1.5268E-06	0.002816759
1844.919963	70.395486	1.58873E-06	0.002931076
1844.959963	68.566645	1.54745E-06	0.00285499
1844.999963	79.616419	1.79683E-06	0.003315154
1845.039963	77.611155	1.75158E-06	0.003231727
1845.079963	90.465895	2.04169E-06	0.00376708
1845.119963	94.978742	2.14354E-06	0.003955085
1845.159963	80.100074	1.80775E-06	0.003335583
1845.199963	84.547096	1.90811E-06	0.003520845
1845.239963	98.274255	2.21791E-06	0.004092582
1845.279963	98.459719	2.2221E-06	0.004100394
1845.319963	93.60084	2.11244E-06	0.003898129
1845.359963	90.915593	2.05184E-06	0.00378638
1845.399963	97.24596	2.19471E-06	0.00405011
1845.439963	104.094136	2.34926E-06	0.004335418
1845.479963	96.294232	2.17323E-06	0.004010646
1845.519963	68.268863	1.54073E-06	0.002843454
1845.559963	57.404479	1.29554E-06	0.002390995
1845.599963	69.019687	1.55768E-06	0.002874851
1845.639963	80.293245	1.81211E-06	0.003344497
1845.679963	73.38996	1.65631E-06	0.003057017
1845.719963	62.031564	1.39997E-06	0.002583945
1845.759963	52.678989	1.18889E-06	0.002194408
1845.799963	67.447251	1.52219E-06	0.002809659
1845.839963	84.492572	1.90688E-06	0.003519795
1845.879963	77.904324	1.75819E-06	0.003245412
1845.919963	85.65589	1.93313E-06	0.003568411
1845.959963	104.456236	2.35743E-06	0.004351725
1845.999963	107.017291	2.41523E-06	0.004458517
1846.039963	104.436579	2.35699E-06	0.004351094
1846.079963	87.468109	1.97403E-06	0.003644223
1846.119963	69.94303	1.57852E-06	0.002914131
1846.159963	67.232829	1.51735E-06	0.002801273
1846.199963	66.3433	1.49728E-06	0.002764271
1846.239963	69.328023	1.56464E-06	0.002888695
1846.279963	68.381997	1.54329E-06	0.002849339
1846.319963	60.524476	1.36595E-06	0.002521987
1846.359963	76.374786	1.72367E-06	0.00318252
1846.399963	88.759605	2.00318E-06	0.003698673
1846.439963	100.12352	2.25965E-06	0.004172305
1846.479963	111.582627	2.51826E-06	0.004649925

1846.519963	99.242246	2.23976E-06	0.00413576
1846.559963	80.237062	1.81084E-06	0.003343822
1846.599963	82.642715	1.86513E-06	0.003444151
1846.639963	92.963155	2.09805E-06	0.003874341
1846.679963	90.334331	2.03872E-06	0.003764863
1846.719963	91.604812	2.06739E-06	0.003817896
1846.759963	84.905899	1.91621E-06	0.003538776
1846.799963	79.356331	1.79096E-06	0.003307548
1846.839963	75.144666	1.69591E-06	0.003132075
1846.879963	62.056506	1.40053E-06	0.002586609
1846.919963	73.026679	1.64811E-06	0.003043928
1846.959963	92.134122	2.07934E-06	0.003840456
1846.999963	99.940897	2.25553E-06	0.004165958
1847.039963	97.878167	2.20897E-06	0.004080063
1847.079963	89.421284	2.01811E-06	0.003727618
1847.119963	90.144441	2.03443E-06	0.003757845
1847.159963	89.253454	2.01433E-06	0.003720783
1847.199963	85.410497	1.9276E-06	0.003560655
1847.239963	90.336468	2.03877E-06	0.003766094
1847.279963	90.926599	2.05209E-06	0.003790779
1847.319963	85.544085	1.93061E-06	0.003566456
1847.359963	95.043468	2.145E-06	0.003962585
1847.399963	97.850077	2.20834E-06	0.004079687
1847.439963	91.11519	2.05634E-06	0.00379897
1847.479963	80.461284	1.8159E-06	0.003354837
1847.519963	80.659931	1.82038E-06	0.003363193
1847.559963	89.409604	2.01785E-06	0.003728099
1847.599963	85.017149	1.91872E-06	0.003545024
1847.639963	84.005854	1.8959E-06	0.003502932
1847.679963	89.816293	2.02703E-06	0.0037453
1847.719963	96.991203	2.18896E-06	0.004044578
1847.759963	102.468768	2.31258E-06	0.004273088
1847.799963	89.593262	2.022E-06	0.003736243
1847.839963	80.486831	1.81648E-06	0.003356556
1847.879963	88.603585	1.99966E-06	0.003695131
1847.919963	83.441535	1.88316E-06	0.003479928
1847.959963	70.545645	1.59212E-06	0.002942168
1847.999963	62.661522	1.41418E-06	0.002613411
1848.039963	68.966211	1.55647E-06	0.002876421
1848.079963	84.409691	1.90501E-06	0.003520609
1848.119963	100.675254	2.2721E-06	0.004199114
1848.159963	101.732421	2.29596E-06	0.0042433
1848.199963	96.256109	2.17237E-06	0.004014967
1848.239963	90.557702	2.04376E-06	0.003777361
1848.279963	91.648465	2.06838E-06	0.003822942
1848.319963	90.636685	2.04554E-06	0.003780819

1848.359963	89.359467	2.01672E-06	0.003727622
1848.399963	97.938677	2.21034E-06	0.004085591
1848.439963	97.601317	2.20273E-06	0.004071606
1848.479963	96.585998	2.17981E-06	0.004029338
1848.519963	109.402766	2.46907E-06	0.004564122
1848.559963	104.69436	2.36281E-06	0.004367788
1848.599963	107.333571	2.42237E-06	0.004477992
1848.639963	113.41447	2.55961E-06	0.004731791
1848.679963	93.996788	2.12138E-06	0.003921746
1848.719963	82.602269	1.86422E-06	0.003446417
1848.759963	91.143184	2.05697E-06	0.003802852
1848.799963	91.818383	2.07221E-06	0.003831107
1848.839963	85.240359	1.92376E-06	0.003556717
1848.879963	79.315392	1.79004E-06	0.003309565
1848.919963	97.164934	2.19288E-06	0.004054454
1848.959963	104.104188	2.34949E-06	0.004344107
1848.999963	100.917286	2.27756E-06	0.004211213
1849.039963	91.629285	2.06795E-06	0.003823714
1849.079963	97.862359	2.20862E-06	0.00408391
1849.119963	110.819217	2.50104E-06	0.004624714
1849.159963	95.85933	2.16341E-06	0.004000494
1849.199963	85.658833	1.9332E-06	0.003574874
1849.239963	100.116964	2.2595E-06	0.004178358
1849.279963	99.45293	2.24451E-06	0.004150735
1849.319963	87.795736	1.98143E-06	0.003664293
1849.359963	92.427192	2.08595E-06	0.003857678
1849.399963	100.10069	2.25913E-06	0.004178041
1849.439963	94.997165	2.14395E-06	0.003965114
1849.479963	96.454345	2.17684E-06	0.004026022
1849.519963	101.557026	2.292E-06	0.004239101
1849.559963	100.547933	2.26923E-06	0.004197071
1849.599963	99.19886	2.23878E-06	0.004140848
1849.639963	94.108096	2.12389E-06	0.003928429
1849.679963	86.292177	1.94749E-06	0.003602241
1849.719963	91.252365	2.05944E-06	0.003809385
1849.759963	96.36968	2.17493E-06	0.004023097
1849.799963	98.135684	2.21479E-06	0.00409691
1849.839963	96.786337	2.18433E-06	0.004040666
1849.879963	84.235933	1.90109E-06	0.003516784
1849.919963	83.305397	1.88009E-06	0.00347801
1849.959963	87.283936	1.96988E-06	0.003644193
1849.999963	79.767086	1.80023E-06	0.003330429
1850.039963	76.184631	1.71938E-06	0.003180924
1850.079963	90.49142	2.04227E-06	0.003778354
1850.119963	94.60129	2.13502E-06	0.003950042
1850.159963	88.325063	1.99337E-06	0.00368806

1850.199963	91.011013	2.05399E-06	0.003800296
1850.239963	84.718152	1.91197E-06	0.003537605
1850.279963	74.404056	1.6792E-06	0.003106983
1850.319963	84.577631	1.9088E-06	0.003531889
1850.359963	90.418229	2.04061E-06	0.003775869
1850.399963	94.856961	2.14079E-06	0.003961317
1850.439963	91.905056	2.07417E-06	0.003838125
1850.479963	83.499627	1.88447E-06	0.003487174
1850.519963	89.565268	2.02136E-06	0.003740573
1850.559963	100.271029	2.26298E-06	0.004187775
1850.599963	99.716618	2.25047E-06	0.004164711
1850.639963	91.096727	2.05593E-06	0.003804779
1850.679963	94.87116	2.14111E-06	0.003962509
1850.719963	97.576753	2.20217E-06	0.004075603
1850.759963	88.603818	1.99966E-06	0.003700899
1850.799963	80.430148	1.8152E-06	0.003359565
1850.839963	80.046643	1.80654E-06	0.003343619
1850.879963	67.156303	1.51562E-06	0.002805238
1850.919963	68.340711	1.54235E-06	0.002854775
1850.959963	81.843721	1.8471E-06	0.003418906
1850.999963	86.541365	1.95312E-06	0.003615221
1851.039963	94.785247	2.13917E-06	0.003959691
1851.079963	84.443146	1.90576E-06	0.003527722
1851.119963	81.998537	1.85059E-06	0.003425669
1851.159963	99.1948	2.23869E-06	0.00414417
1851.199963	122.343336	2.76112E-06	0.005111383
1851.239963	116.695223	2.63365E-06	0.004875516
1851.279963	99.104366	2.23665E-06	0.004140661
1851.319963	87.661236	1.97839E-06	0.003662637
1851.359963	96.033902	2.16735E-06	0.004012548
1851.399963	100.226378	2.26197E-06	0.004187811
1851.439963	86.552592	1.95337E-06	0.00361655
1851.479963	88.082108	1.98789E-06	0.003680539
1851.519963	97.835368	2.20801E-06	0.004088171
1851.559963	82.576017	1.86363E-06	0.003450615
1851.599963	65.197057	1.47141E-06	0.002724457
1851.639963	60.383659	1.36278E-06	0.002523369
1851.679963	68.77365	1.55213E-06	0.00287404
1851.719963	90.303379	2.03802E-06	0.003773845
1851.759963	94.897943	2.14171E-06	0.003965941
1851.799963	87.646156	1.97805E-06	0.003662956
1851.839963	85.511953	1.92989E-06	0.003573839
1851.879963	99.403382	2.2434E-06	0.0041545
1851.919963	106.280509	2.3986E-06	0.004442021
1851.959963	86.026687	1.9415E-06	0.003595585
1851.999963	80.7624	1.82269E-06	0.003375631

1852.039963	86.733982	1.95747E-06	0.003625304
1852.079963	86.919267	1.96165E-06	0.003633127
1852.119963	82.47286	1.8613E-06	0.003447346
1852.159963	81.993057	1.85047E-06	0.003427365
1852.199963	92.114433	2.07889E-06	0.003850528
1852.239963	99.841792	2.25329E-06	0.004173634
1852.279963	93.024728	2.09944E-06	0.003888748
1852.319963	86.819013	1.95938E-06	0.003629406
1852.359963	101.857604	2.29878E-06	0.004258176
1852.399963	108.02017	2.43786E-06	0.004515901
1852.439963	102.932546	2.32304E-06	0.0043033
1852.479963	98.402662	2.22081E-06	0.004114008
1852.519963	91.717986	2.06995E-06	0.003834618
1852.559963	77.523166	1.74959E-06	0.00324122
1852.599963	64.594348	1.4578E-06	0.002700728
1852.639963	65.327343	1.47435E-06	0.002731434
1852.679963	66.575514	1.50252E-06	0.002783682
1852.719963	68.665707	1.54969E-06	0.00287114
1852.759963	75.505286	1.70405E-06	0.003157194
1852.799963	74.80771	1.68831E-06	0.003128093
1852.839963	71.391681	1.61121E-06	0.002985316
1852.879963	72.643876	1.63947E-06	0.003037743
1852.919963	77.070895	1.73938E-06	0.003222937
1852.959963	73.34291	1.65525E-06	0.003067107
1852.999963	58.787092	1.32674E-06	0.002458454
1853.039963	61.124163	1.37949E-06	0.002556245
1853.079963	79.620533	1.79692E-06	0.003329845
1853.119963	79.688901	1.79847E-06	0.003332776
1853.159963	86.379931	1.94947E-06	0.003612689
1853.199963	93.765045	2.11615E-06	0.003921643
1853.239963	92.02211	2.07681E-06	0.003848829
1853.279963	102.997763	2.32452E-06	0.004307979
1853.319963	102.141409	2.30519E-06	0.004272253
1853.359963	98.257897	2.21754E-06	0.004109907
1853.399963	109.303716	2.46683E-06	0.004572027
1853.439963	105.700698	2.38552E-06	0.004421414
1853.479963	92.565984	2.08909E-06	0.003872078
1853.519963	74.642246	1.68457E-06	0.003122387
1853.559963	70.823231	1.59838E-06	0.002962696
1853.599963	78.299641	1.76711E-06	0.003275522
1853.639963	81.858728	1.84744E-06	0.003424484
1853.679963	78.663908	1.77533E-06	0.003290903
1853.719963	73.873002	1.66721E-06	0.003090542
1853.759963	73.542268	1.65975E-06	0.003076772
1853.799963	77.269153	1.74386E-06	0.003232762
1853.839963	66.386022	1.49824E-06	0.002777497

1853.879963	64.460372	1.45478E-06	0.002696989
1853.919963	66.894841	1.50972E-06	0.002798906
1853.959963	75.494048	1.7038E-06	0.003158769
1853.999963	73.733317	1.66406E-06	0.003085164
1854.039963	64.333206	1.45191E-06	0.002691901
1854.079963	64.514818	1.45601E-06	0.002699558
1854.119963	71.697319	1.61811E-06	0.003000168
1854.159963	86.09994	1.94316E-06	0.003602922
1854.199963	107.550001	2.42725E-06	0.004500614
1854.239963	119.696775	2.70139E-06	0.005009024
1854.279963	108.899444	2.45771E-06	0.00455728
1854.319963	101.372819	2.28784E-06	0.004242394
1854.359963	94.241847	2.12691E-06	0.003944052
1854.399963	105.047862	2.37078E-06	0.004396382
1854.439963	107.26144	2.42074E-06	0.004489119
1854.479963	96.367759	2.17489E-06	0.004033283
1854.519963	74.180496	1.67415E-06	0.003104745
1854.559963	70.887285	1.59983E-06	0.002966976
1854.599963	77.631147	1.75203E-06	0.003249309
1854.639963	73.587581	1.66077E-06	0.003080129
1854.679963	77.912563	1.75838E-06	0.003261228
1854.719963	83.243797	1.8787E-06	0.003484456
1854.759963	66.777938	1.50709E-06	0.002795281
1854.799963	60.117935	1.35678E-06	0.002516552
1854.839963	56.042714	1.26481E-06	0.002346013
1854.879963	60.488218	1.36513E-06	0.002532161
1854.919963	63.57119	1.43471E-06	0.002661278
1854.959963	81.368924	1.83638E-06	0.003406417
1854.999963	110.020091	2.483E-06	0.004605965
1855.039963	105.903699	2.3901E-06	0.004433729
1855.079963	81.644483	1.8426E-06	0.003418175
1855.119963	83.531615	1.88519E-06	0.003497258
1855.159963	89.219142	2.01355E-06	0.003735461
1855.199963	77.797806	1.75579E-06	0.003257338
1855.239963	78.971334	1.78227E-06	0.003306544
1855.279963	92.163718	2.08001E-06	0.003858995
1855.319963	86.230897	1.94611E-06	0.003610659
1855.359963	69.037941	1.55809E-06	0.002890818
1855.399963	69.423578	1.56679E-06	0.002907029
1855.439963	77.400779	1.74683E-06	0.003241134
1855.479963	85.216659	1.92322E-06	0.003568499
1855.519963	77.427814	1.74744E-06	0.003242406
1855.559963	85.104961	1.9207E-06	0.003563975
1855.599963	93.832682	2.11767E-06	0.003929554
1855.639963	85.619878	1.93232E-06	0.003585693
1855.679963	88.609335	1.99979E-06	0.003710969

1855.719963	104.745516	2.36396E-06	0.004386849
1855.759963	110.494595	2.49371E-06	0.004627726
1855.799963	105.186745	2.37392E-06	0.004405518
1855.839963	83.843354	1.89223E-06	0.003511672
1855.879963	70.268989	1.58587E-06	0.00294319
1855.919963	74.039718	1.67097E-06	0.003101193
1855.959963	65.13166	1.46993E-06	0.002728133
1855.999963	53.496723	1.20735E-06	0.002240835
1856.039963	71.546563	1.61471E-06	0.002996959
1856.079963	98.888152	2.23177E-06	0.00414234
1856.119963	114.521268	2.58459E-06	0.004797301
1856.159963	107.751641	2.4318E-06	0.004513818
1856.199963	107.392986	2.42371E-06	0.004498891
1856.239963	104.918894	2.36787E-06	0.004395341
1856.279963	98.697762	2.22747E-06	0.00413481
1856.319963	93.617387	2.11281E-06	0.003922059
1856.359963	80.63543	1.81983E-06	0.003378258
1856.399963	69.174481	1.56117E-06	0.002898159
1856.439963	68.939181	1.55586E-06	0.002888363
1856.479963	91.076789	2.05548E-06	0.003815951
1856.519963	102.668954	2.3171E-06	0.004301734
1856.559963	88.689391	2.0016E-06	0.003716083
1856.599963	65.812413	1.48529E-06	0.002757598
1856.639963	54.538516	1.23086E-06	0.002285261
1856.679963	61.054153	1.37791E-06	0.002558333
1856.719963	92.659841	2.0912E-06	0.003882779
1856.759963	98.374319	2.22017E-06	0.004122325
1856.799963	88.555224	1.99857E-06	0.003710941
1856.839963	90.34512	2.03896E-06	0.003786029
1856.879963	91.665168	2.06876E-06	0.00384143
1856.919963	81.361134	1.83621E-06	0.00340969
1856.959963	78.100708	1.76262E-06	0.003273123
1856.999963	80.214884	1.81034E-06	0.003361798
1857.039963	77.613317	1.75162E-06	0.003252837
1857.079963	80.045172	1.80651E-06	0.00335483
1857.119963	72.501278	1.63625E-06	0.003038718
1857.159963	77.013221	1.73808E-06	0.003227895
1857.199963	92.63267	2.09059E-06	0.003882644
1857.239963	85.854113	1.93761E-06	0.003598603
1857.279963	72.287827	1.63144E-06	0.003030033
1857.319963	73.039496	1.6484E-06	0.003061606
1857.359963	79.679457	1.79825E-06	0.003340006
1857.399963	97.022922	2.18967E-06	0.004067097
1857.439963	97.706134	2.20509E-06	0.004095825
1857.479963	83.236479	1.87853E-06	0.003489334
1857.519963	76.425734	1.72482E-06	0.003203892

1857.559963	68.512878	1.54624E-06	0.002872234
1857.599963	76.857849	1.73457E-06	0.003222146
1857.639963	89.96831	2.03046E-06	0.003771863
1857.679963	99.494163	2.24544E-06	0.004171318
1857.719963	104.823986	2.36573E-06	0.004394866
1857.759963	105.97522	2.39171E-06	0.004443229
1857.799963	98.368392	2.22004E-06	0.004124386
1857.839963	94.284803	2.12788E-06	0.003953254
1857.879963	83.867363	1.89277E-06	0.003516539
1857.919963	88.375088	1.9945E-06	0.003705626
1857.959963	89.949561	2.03004E-06	0.003771726
1857.999963	79.8385	1.80184E-06	0.003347826
1858.039963	80.162589	1.80916E-06	0.003361488
1858.079963	94.623086	2.13551E-06	0.003967951
1858.119963	102.330868	2.30947E-06	0.004291263
1858.159963	110.558955	2.49516E-06	0.004636409
1858.199963	102.163172	2.30568E-06	0.004284415
1858.239963	87.75147	1.98043E-06	0.003680111
1858.279963	89.969838	2.03049E-06	0.003773226
1858.319963	96.670618	2.18172E-06	0.004054336
1858.359963	92.792684	2.0942E-06	0.00389178
1858.399963	87.384251	1.97214E-06	0.003665026
1858.439963	74.630472	1.68431E-06	0.003130181
1858.479963	68.748965	1.55157E-06	0.002883559
1858.519963	70.293402	1.58642E-06	0.002948401
1858.559963	75.020484	1.69311E-06	0.003146742
1858.599963	63.819201	1.44031E-06	0.002676961
1858.639963	57.569024	1.29925E-06	0.002414843
1858.679963	68.168214	1.53846E-06	0.002859508
1858.719963	82.119868	1.85333E-06	0.003444823
1858.759963	82.871569	1.8703E-06	0.003476431
1858.799963	79.634877	1.79725E-06	0.003340725
1858.839963	69.864142	1.57674E-06	0.002930901
1858.879963	70.664128	1.59479E-06	0.002964525
1858.919963	81.706194	1.84399E-06	0.003427839
1858.959963	86.096591	1.94308E-06	0.003612108
1858.999963	85.448773	1.92846E-06	0.003585007
1859.039963	82.684128	1.86607E-06	0.003469091
1859.079963	73.297442	1.65422E-06	0.003075329
1859.119963	66.35452	1.49753E-06	0.002784086
1859.159963	77.704015	1.75367E-06	0.003260356
1859.199963	96.455464	2.17687E-06	0.004047228
1859.239963	89.459913	2.01899E-06	0.003753779
1859.279963	83.854796	1.89249E-06	0.003518661
1859.319963	86.781101	1.95853E-06	0.003641531
1859.359963	100.613042	2.2707E-06	0.004222042

1859.399963	112.899287	2.54798E-06	0.004737713
1859.439963	104.273713	2.35331E-06	0.004375843
1859.479963	84.157246	1.89931E-06	0.003531732
1859.519963	59.389809	1.34035E-06	0.002492399
1859.559963	62.386679	1.40798E-06	0.002618224
1859.599963	76.317208	1.72237E-06	0.003202925
1859.639963	81.579768	1.84114E-06	0.003423861
1859.679963	79.59763	1.79641E-06	0.003340743
1859.719963	73.097246	1.6497E-06	0.003067986
1859.759963	88.318358	1.99322E-06	0.003706915
1859.799963	95.419595	2.15349E-06	0.004005056
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1859.879963	67.750699	1.52904E-06	0.002843829
1859.919963	68.35022	1.54257E-06	0.002869055
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1859.999963	81.00108	1.82808E-06	0.003400232
1860.039963	72.972402	1.64689E-06	0.003063273
1860.079963	83.180662	1.87727E-06	0.003491875
1860.119963	86.019586	1.94134E-06	0.003611129
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1860.199963	79.081931	1.78477E-06	0.003320027
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1860.279963	93.1316	2.10185E-06	0.00391003
1860.319963	87.426098	1.97309E-06	0.00367057
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1860.399963	96.758062	2.18369E-06	0.004062546
1860.439963	74.646491	1.68467E-06	0.003134222
1860.479963	69.734327	1.57381E-06	0.002928036
1860.519963	78.979208	1.78245E-06	0.003316285
1860.559963	84.405554	1.90492E-06	0.00354421
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1860.639963	81.798174	1.84607E-06	0.003434873
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1860.839963	99.282851	2.24068E-06	0.004169539
1860.879963	98.458712	2.22208E-06	0.004135017
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1861.199963	72.489712	1.63599E-06	0.003044908

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1861.559963	95.313739	2.1511E-06	0.004004399
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1861.719963	103.820555	2.34309E-06	0.004362169
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1862.119963	101.758629	2.29655E-06	0.004276453
1862.159963	86.822183	1.95946E-06	0.00364882
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1862.279963	64.043658	1.44538E-06	0.002691695
1862.319963	79.156193	1.78645E-06	0.003326932
1862.359963	103.22952	2.32975E-06	0.004338827
1862.399963	98.465218	2.22222E-06	0.004138668
1862.439963	86.40519	1.95004E-06	0.003631841
1862.479963	78.232965	1.76561E-06	0.003288411
1862.519963	77.360559	1.74592E-06	0.003251811
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1862.599963	88.194072	1.99042E-06	0.003707351
1862.639963	72.652688	1.63967E-06	0.003054115
1862.679963	65.788822	1.48476E-06	0.002765637
1862.719963	58.475895	1.31972E-06	0.002458268
1862.759963	69.121443	1.55997E-06	0.002905858
1862.799963	73.224021	1.65256E-06	0.003078396
1862.839963	76.113665	1.71778E-06	0.003199948
1862.879963	79.761276	1.8001E-06	0.003353372
1862.919963	91.710885	2.06979E-06	0.003855847
1862.959963	101.165524	2.28316E-06	0.004253445
1862.999963	100.7143	2.27298E-06	0.004234564
1863.039963	91.065176	2.05521E-06	0.003828946

1863.079963	87.250907	1.96913E-06	0.003668649
1863.119963	90.676585	2.04644E-06	0.003812771
1863.159963	105.981394	2.39185E-06	0.004456404
1863.199963	98.5318	2.22373E-06	0.004143245
1863.239963	98.774948	2.22921E-06	0.004153559
1863.279963	95.536376	2.15612E-06	0.004017461
1863.319963	83.38963	1.88199E-06	0.003506745
1863.359963	88.199615	1.99054E-06	0.003709097
1863.399963	94.038872	2.12233E-06	0.003954743
1863.439963	82.905015	1.87105E-06	0.003486591
1863.479963	74.870996	1.68973E-06	0.003148786
1863.519963	71.643904	1.6169E-06	0.003013131
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1863.599963	84.701279	1.91159E-06	0.003562439
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1863.679963	84.957808	1.91738E-06	0.003573382
1863.719963	87.027885	1.9641E-06	0.003660529
1863.759963	91.049468	2.05486E-06	0.003829765
1863.799963	77.48281	1.74868E-06	0.003259188
1863.839963	66.940489	1.51075E-06	0.002815803
1863.879963	77.039822	1.73868E-06	0.003240694
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1864.279963	121.660909	2.74572E-06	0.005118786
1864.319963	135.050245	3.0479E-06	0.005682253
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1864.759963	72.419743	1.63441E-06	0.003047787
1864.799963	79.923657	1.80377E-06	0.003363662
1864.839963	84.434754	1.90557E-06	0.003553592
1864.879963	92.073206	2.07796E-06	0.003875153

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1865.759963	76.189786	1.7195E-06	0.003208169
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1866.199963	102.15792	2.30556E-06	0.00430264
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1866.439963	83.797957	1.8912E-06	0.003529817
1866.479963	72.430787	1.63466E-06	0.003051064
1866.519963	71.891779	1.6225E-06	0.003028424
1866.559963	62.805031	1.41742E-06	0.002645703
1866.599963	57.351584	1.29435E-06	0.002416025
1866.639963	64.515728	1.45603E-06	0.002717884
1866.679963	78.128008	1.76324E-06	0.003291405
1866.719963	86.112409	1.94344E-06	0.003627853

1866.759963	103.767861	2.3419E-06	0.004371758
1866.799963	99.886805	2.25431E-06	0.004208338
1866.839963	86.370915	1.94927E-06	0.003638977
1866.879963	82.617293	1.86456E-06	0.003480905
1866.919963	80.723915	1.82183E-06	0.003401204
1866.959963	69.573731	1.57018E-06	0.002931467
1866.999963	65.283534	1.47336E-06	0.00275076
1867.039963	72.407341	1.63413E-06	0.003050991
1867.079963	85.410763	1.9276E-06	0.003598987
1867.119963	94.883889	2.1414E-06	0.003998245
1867.159963	110.719757	2.49879E-06	0.004665642
1867.199963	101.25751	2.28524E-06	0.004267002
1867.239963	82.233166	1.85589E-06	0.003465388
1867.279963	67.203064	1.51668E-06	0.002832065
1867.319963	64.76422	1.46164E-06	0.002729346
1867.359963	76.837325	1.73411E-06	0.00323821
1867.399963	73.325036	1.65484E-06	0.003090255
1867.439963	63.009487	1.42204E-06	0.002655568
1867.479963	57.256501	1.2922E-06	0.002413157
1867.519963	69.387187	1.56597E-06	0.002924484
1867.559963	85.594639	1.93175E-06	0.003607662
1867.599963	75.839584	1.71159E-06	0.003196572
1867.639963	64.408524	1.45361E-06	0.002714821
1867.679963	61.758379	1.3938E-06	0.002603173
1867.719963	56.593391	1.27723E-06	0.002385515
1867.759963	62.370579	1.40762E-06	0.002629091
1867.799963	73.941596	1.66876E-06	0.003116908
1867.839963	75.201827	1.6972E-06	0.003170099
1867.879963	78.882664	1.78027E-06	0.003325334
1867.919963	72.540672	1.63714E-06	0.00305805
1867.959963	61.222051	1.3817E-06	0.002580954
1867.999963	61.685367	1.39215E-06	0.002600541
1868.039963	75.019083	1.69308E-06	0.003162734
1868.079963	73.353628	1.65549E-06	0.003092586
1868.119963	83.862542	1.89266E-06	0.003535717
1868.159963	102.536627	2.31411E-06	0.004323126
1868.199963	118.324058	2.67041E-06	0.004988858
1868.239963	110.589066	2.49584E-06	0.00466283
1868.279963	105.298925	2.37645E-06	0.004439874
1868.319963	109.534795	2.47205E-06	0.004618576
1868.359963	94.152745	2.1249E-06	0.003970071
1868.399963	79.92554	1.80381E-06	0.003370235
1868.439963	86.14206	1.94411E-06	0.003632446
1868.479963	89.073033	2.01025E-06	0.00375612
1868.519963	78.372873	1.76877E-06	0.003304976
1868.559963	76.185477	1.7194E-06	0.003212802

1868.599963	66.932687	1.51058E-06	0.002822665
1868.639963	70.1765	1.58379E-06	0.002959526
1868.679963	85.045781	1.91936E-06	0.003586679
1868.719963	94.4765	2.1322E-06	0.00398449
1868.759963	88.579859	1.99912E-06	0.003735883
1868.799963	75.050268	1.69378E-06	0.003165336
1868.839963	63.097991	1.42403E-06	0.002661291
1868.879963	67.613662	1.52595E-06	0.00285181
1868.919963	81.422577	1.83759E-06	0.003434316
1868.959963	78.880362	1.78022E-06	0.00332716
1868.999963	71.359244	1.61048E-06	0.003009985
1869.039963	72.891426	1.64506E-06	0.003074679
1869.079963	73.041583	1.64845E-06	0.003081079
1869.119963	68.575789	1.54766E-06	0.002892762
1869.159963	65.066577	1.46846E-06	0.00274479
1869.199963	61.41808	1.38612E-06	0.002590936
1869.239963	59.184023	1.3357E-06	0.002496746
1869.279963	72.094422	1.62707E-06	0.003041451
1869.319963	83.992734	1.8956E-06	0.003543481
1869.359963	90.292011	2.03776E-06	0.003809316
1869.399963	92.203786	2.08091E-06	0.003890055
1869.439963	83.782544	1.89086E-06	0.00353484
1869.479963	73.865448	1.66704E-06	0.003116498
1869.519963	70.414111	1.58915E-06	0.002970945
1869.559963	75.32566	1.7E-06	0.003178243
1869.599963	77.404738	1.74692E-06	0.003266036
1869.639963	79.981696	1.80508E-06	0.003374841
1869.679963	84.403458	1.90487E-06	0.003561494
1869.719963	90.710594	2.04721E-06	0.003827713
1869.759963	92.605977	2.08999E-06	0.003907776
1869.799963	82.820192	1.86914E-06	0.003494911
1869.839963	79.721896	1.79921E-06	0.003364239
1869.879963	79.004594	1.78302E-06	0.00333404
1869.919963	82.466748	1.86116E-06	0.00348022
1869.959963	74.717317	1.68627E-06	0.003153249
1869.999963	67.103764	1.51444E-06	0.002832
1870.039963	64.893829	1.46456E-06	0.002738792
1870.079963	64.388901	1.45317E-06	0.00271754
1870.119963	58.631045	1.32322E-06	0.002474582
1870.159963	72.656116	1.63975E-06	0.00306659
1870.199963	97.71229	2.20523E-06	0.004124222
1870.239963	106.130698	2.39522E-06	0.00447964
1870.279963	107.291422	2.42142E-06	0.004528729
1870.319963	93.642678	2.11338E-06	0.003952706
1870.359963	84.274552	1.90196E-06	0.003557348
1870.399963	77.826497	1.75644E-06	0.003285237

1870.439963	81.688417	1.84359E-06	0.003448331
1870.479963	88.364519	1.99426E-06	0.003730231
1870.519963	88.713015	2.00213E-06	0.003745023
1870.559963	92.431209	2.08604E-06	0.00390207
1870.599963	95.294696	2.15067E-06	0.004023041
1870.639963	85.678473	1.93364E-06	0.003617151
1870.679963	79.093245	1.78502E-06	0.003339209
1870.719963	75.755762	1.7097E-06	0.003198374
1870.759963	79.83316	1.80172E-06	0.003370592
1870.799963	85.152396	1.92177E-06	0.003595249
1870.839963	88.956583	2.00763E-06	0.003755947
1870.879963	93.992436	2.12128E-06	0.003968657
1870.919963	91.165438	2.05748E-06	0.003849375
1870.959963	83.396177	1.88214E-06	0.0035214
1870.999963	70.750383	1.59674E-06	0.002987496
1871.039963	81.559311	1.84068E-06	0.003443986
1871.079963	90.212909	2.03598E-06	0.003809481
1871.119963	81.997311	1.85057E-06	0.003462629
1871.159963	90.294754	2.03783E-06	0.0038131
1871.199963	89.03758	2.00945E-06	0.003760091
1871.239963	79.967449	1.80475E-06	0.003377128
1871.279963	99.13125	2.23725E-06	0.004186529
1871.319963	106.498453	2.40352E-06	0.004497758
1871.359963	96.148211	2.16993E-06	0.004060722
1871.399963	94.513775	2.13304E-06	0.003991779
1871.439963	88.732441	2.00257E-06	0.003747685
1871.479963	90.032094	2.0319E-06	0.003802658
1871.519963	91.774734	2.07123E-06	0.003876344
1871.559963	89.767088	2.02592E-06	0.003791627
1871.599963	89.150284	2.012E-06	0.003765655
1871.639963	91.66233	2.06869E-06	0.003871845
1871.679963	98.497648	2.22295E-06	0.00416066
1871.719963	101.849375	2.2986E-06	0.004302333
1871.759963	88.628773	2.00023E-06	0.003743947
1871.799963	81.418865	1.83751E-06	0.003439452
1871.839963	83.113925	1.87577E-06	0.003511133
1871.879963	82.425052	1.86022E-06	0.003482106
1871.919963	75.190696	1.69695E-06	0.003176553
1871.959963	79.237289	1.78828E-06	0.00334758
1871.999963	80.116149	1.80811E-06	0.003384782
1872.039963	83.318878	1.88039E-06	0.003520167
1872.079963	75.581768	1.70578E-06	0.003193348
1872.119963	65.477856	1.47774E-06	0.002766514
1872.159963	66.789845	1.50735E-06	0.002822007
1872.199963	78.816572	1.77878E-06	0.003330232
1872.239963	88.751029	2.00299E-06	0.003750073

1872.279963	82.95804	1.87225E-06	0.003505371
1872.319963	72.608632	1.63868E-06	0.003068125
1872.359963	73.512156	1.65907E-06	0.003106371
1872.399963	97.249605	2.19479E-06	0.004109521
1872.439963	117.320153	2.64775E-06	0.004957757
1872.479963	113.435851	2.56009E-06	0.004793716
1872.519963	112.012474	2.52797E-06	0.004733666
1872.559963	97.408197	2.19837E-06	0.004116575
1872.599963	86.468392	1.95147E-06	0.003654325
1872.639963	73.186451	1.65172E-06	0.00309307
1872.679963	63.02687	1.42243E-06	0.002663754
1872.719963	74.845347	1.68916E-06	0.003163315
1872.759963	92.583478	2.08948E-06	0.003913095
1872.799963	100.308284	2.26382E-06	0.004239679
1872.839963	81.052086	1.82923E-06	0.00342586
1872.879963	69.928128	1.57818E-06	0.002955743
1872.919963	69.804681	1.57539E-06	0.002950588
1872.959963	71.052069	1.60355E-06	0.003003378
1872.999963	85.141676	1.92153E-06	0.003599024
1873.039963	85.846768	1.93744E-06	0.003628906
1873.079963	76.666749	1.73026E-06	0.003240919
1873.119963	74.393065	1.67895E-06	0.003144871
1873.159963	92.143261	2.07955E-06	0.003895321
1873.199963	103.648708	2.33921E-06	0.004381802
1873.239963	106.8956	2.41248E-06	0.004519163
1873.279963	103.166243	2.32832E-06	0.004361592
1873.319963	88.048331	1.98713E-06	0.003722527
1873.359963	93.464295	2.10936E-06	0.003951589
1873.399963	100.434148	2.26666E-06	0.004246359
1873.439963	106.716697	2.40845E-06	0.004512081
1873.479963	120.712815	2.72432E-06	0.005103959
1873.519963	114.086356	2.57477E-06	0.004823883
1873.559963	107.072521	2.41648E-06	0.004527416
1873.599963	99.204204	2.2389E-06	0.004194804
1873.639963	98.564181	2.22446E-06	0.00416783
1873.679963	96.546128	2.17891E-06	0.004082583
1873.719963	74.735772	1.68668E-06	0.00316037
1873.759963	63.803351	1.43995E-06	0.002698126
1873.799963	63.988943	1.44414E-06	0.002706032
1873.839963	68.150065	1.53805E-06	0.002882063
1873.879963	74.774246	1.68755E-06	0.003162267
1873.919963	81.341606	1.83577E-06	0.00344008
1873.959963	93.242722	2.10436E-06	0.003943483
1873.999963	115.295839	2.60207E-06	0.004876273
1874.039963	116.130213	2.6209E-06	0.004911666
1874.079963	94.988354	2.14375E-06	0.004017568

1874.119963	71.884148	1.62233E-06	0.003040432
1874.159963	63.166679	1.42558E-06	0.002671772
1874.199963	73.794863	1.66545E-06	0.003121381
1874.239963	87.204099	1.96808E-06	0.003688645
1874.279963	86.750326	1.95783E-06	0.003669529
1874.319963	94.16217	2.12511E-06	0.003983134
1874.359963	113.303253	2.5571E-06	0.004792919
1874.399963	114.17404	2.57675E-06	0.004829858
1874.439963	105.111858	2.37223E-06	0.004446599
1874.479963	93.463247	2.10934E-06	0.003953907
1874.519963	79.147639	1.78625E-06	0.003348365
1874.559963	74.235083	1.67538E-06	0.003140605
1874.599963	92.422613	2.08585E-06	0.003910134
1874.639963	92.934572	2.0974E-06	0.003931877
1874.679963	85.978266	1.94041E-06	0.003637647
1874.719963	82.780276	1.86824E-06	0.003502418
1874.759963	90.794264	2.0491E-06	0.003841571
1874.799963	102.219933	2.30696E-06	0.004325091
1874.839963	109.51109	2.47151E-06	0.004633691
1874.879963	111.795215	2.52306E-06	0.004730439
1874.919963	120.612113	2.72205E-06	0.005103621
1874.959963	103.028248	2.3252E-06	0.004359665
1874.999963	88.330544	1.9935E-06	0.003737807
1875.039963	79.630789	1.79716E-06	0.003369739
1875.079963	82.587027	1.86387E-06	0.003494913
1875.119963	87.444847	1.97351E-06	0.003700565
1875.159963	72.800472	1.64301E-06	0.003080898
1875.199963	63.733813	1.43838E-06	0.002697256
1875.239963	74.904719	1.6905E-06	0.003170084
1875.279963	84.354683	1.90377E-06	0.003570097
1875.319963	73.237101	1.65286E-06	0.00309964
1875.359963	69.994706	1.57968E-06	0.002962474
1875.399963	93.066684	2.10039E-06	0.003939063
1875.439963	112.215646	2.53255E-06	0.004749647
1875.479963	107.790808	2.43269E-06	0.004562458
1875.519963	90.118274	2.03384E-06	0.003814515
1875.559963	77.228444	1.74294E-06	0.003268986
1875.599963	67.34357	1.51985E-06	0.002850632
1875.639963	65.042708	1.46792E-06	0.002753296
1875.679963	73.596122	1.66096E-06	0.003115433
1875.719963	67.827762	1.53078E-06	0.002871311
1875.759963	59.497886	1.34278E-06	0.002518741
1875.799963	69.58457	1.57043E-06	0.002945807
1875.839963	80.967915	1.82733E-06	0.003427784
1875.879963	82.431405	1.86036E-06	0.003489816
1875.919963	79.929892	1.80391E-06	0.003383984

1875.959963	84.949262	1.91719E-06	0.003596565
1875.999963	96.487957	2.1776E-06	0.004085175
1876.039963	94.800684	2.13952E-06	0.004013824
1876.079963	82.735467	1.86722E-06	0.003503062
1876.119963	69.586781	1.57048E-06	0.002946403
1876.159963	65.732212	1.48348E-06	0.002783254
1876.199963	68.298528	1.5414E-06	0.00289198
1876.239963	80.471972	1.81614E-06	0.003407515
1876.279963	93.547573	2.11124E-06	0.003961274
1876.319963	105.717871	2.38591E-06	0.004476721
1876.359963	97.165584	2.19289E-06	0.004114655
1876.399963	100.976868	2.27891E-06	0.004276142
1876.439963	116.800726	2.63603E-06	0.004946351
1876.479963	126.945279	2.86498E-06	0.005376074
1876.519963	102.557305	2.31458E-06	0.004343347
1876.559963	71.525975	1.61424E-06	0.003029221
1876.599963	62.404095	1.40837E-06	0.002642954
1876.639963	65.684175	1.4824E-06	0.002781932
1876.679963	69.596857	1.5707E-06	0.002947709
1876.719963	78.069099	1.76191E-06	0.003306613
1876.759963	86.474855	1.95162E-06	0.003662717
1876.799963	87.766483	1.98077E-06	0.003717504
1876.839963	86.811274	1.95921E-06	0.003677123
1876.879963	105.094086	2.37183E-06	0.004451635
1876.919963	102.100353	2.30426E-06	0.004324917
1876.959963	93.21116	2.10365E-06	0.003948459
1876.999963	96.884844	2.18656E-06	0.004104165
1877.039963	89.009395	2.00882E-06	0.003770632
1877.079963	68.915643	1.55533E-06	0.002919479
1877.119963	63.877182	1.44162E-06	0.002706092
1877.159963	68.311407	1.54169E-06	0.002894005
1877.199963	75.842917	1.71167E-06	0.003213145
1877.239963	74.829902	1.68881E-06	0.003170295
1877.279963	87.38673	1.9722E-06	0.003702365
1877.319963	98.69829	2.22748E-06	0.004181698
1877.359963	85.923704	1.93918E-06	0.003640536
1877.399963	81.919516	1.84881E-06	0.003470955
1877.439963	83.574591	1.88616E-06	0.003541156
1877.479963	88.147941	1.98938E-06	0.003735014
1877.519963	78.370222	1.76871E-06	0.003320782
1877.559963	67.759066	1.52923E-06	0.002871217
1877.599963	83.320077	1.88042E-06	0.003530673
1877.639963	82.544051	1.8629E-06	0.003497863
1877.679963	66.380355	1.49811E-06	0.002812975
1877.719963	63.268571	1.42788E-06	0.002681165
1877.759962	80.315	1.8126E-06	0.003403623

1877.799962	108.453123	2.44764E-06	0.004596171
1877.839962	109.718656	2.4762E-06	0.004649902
1877.879962	93.642128	2.11337E-06	0.00396866
1877.919962	89.05351	2.00981E-06	0.003774269
1877.959962	83.699219	1.88897E-06	0.003547419
1877.999962	76.207846	1.7199E-06	0.003229981
1878.039962	70.89794	1.60007E-06	0.003004991
1878.079962	59.381276	1.34015E-06	0.002516914
1878.119962	56.448175	1.27396E-06	0.002392643
1878.159962	59.186456	1.33576E-06	0.002508763
1878.199962	74.565747	1.68285E-06	0.00316072
1878.239962	85.018188	1.91874E-06	0.003603858
1878.279962	81.771905	1.84548E-06	0.003466324
1878.319962	84.072189	1.89739E-06	0.00356391
1878.359962	87.413182	1.97279E-06	0.003705617
1878.399962	76.729601	1.73168E-06	0.003252788
1878.439962	70.305758	1.5867E-06	0.002980526
1878.479962	76.236739	1.72056E-06	0.003232032
1878.519962	72.953528	1.64646E-06	0.003092907
1878.559962	74.081549	1.67192E-06	0.003140797
1878.599962	77.752161	1.75476E-06	0.003296488
1878.639962	79.848677	1.80207E-06	0.003385447
1878.679962	64.971529	1.46632E-06	0.00275474
1878.719962	70.628389	1.59398E-06	0.00299465
1878.759962	88.703643	2.00192E-06	0.003761123
1878.799962	79.415308	1.79229E-06	0.00336736
1878.839962	62.690332	1.41483E-06	0.002658246
1878.879962	58.107925	1.31141E-06	0.002463991
1878.919962	69.44168	1.5672E-06	0.002944647
1878.959962	77.720691	1.75405E-06	0.003295785
1878.999962	78.272713	1.76651E-06	0.003319265
1879.039962	94.741604	2.13819E-06	0.004017737
1879.079962	99.299961	2.24106E-06	0.004211134
1879.119962	93.18075	2.10296E-06	0.003951714
1879.159962	100.995223	2.27932E-06	0.00428321
1879.199962	96.02648	2.16718E-06	0.004072572
1879.239962	91.865624	2.07328E-06	0.003896189
1879.279962	95.769167	2.16138E-06	0.004061832
1879.319962	92.85074	2.09551E-06	0.003938137
1879.359962	89.000958	2.00863E-06	0.003774934
1879.399962	77.273406	1.74395E-06	0.003277585
1879.439962	79.105431	1.7853E-06	0.003355363
1879.479962	85.01108	1.91858E-06	0.003605936
1879.519962	87.221629	1.96847E-06	0.00369978
1879.559962	74.811455	1.68839E-06	0.003173431
1879.599962	68.618032	1.54861E-06	0.002910774

1879.639962	75.210599	1.6974E-06	0.003190498
1879.679962	84.501896	1.90709E-06	0.003584719
1879.719962	96.00297	2.16665E-06	0.004072701
1879.759962	86.902338	1.96126E-06	0.003686707
1879.799962	74.455232	1.68035E-06	0.003158724
1879.839962	83.202204	1.87776E-06	0.003529884
1879.879962	92.884227	2.09627E-06	0.003940732
1879.919962	89.482443	2.01949E-06	0.003796487
1879.959962	81.168785	1.83187E-06	0.003443836
1879.999962	71.482239	1.61325E-06	0.003032919
1880.039962	80.423361	1.81504E-06	0.003412354
1880.079962	92.192079	2.08065E-06	0.003911782
1880.119962	86.636542	1.95527E-06	0.003676135
1880.159962	75.661885	1.70758E-06	0.00321053
1880.199962	73.473849	1.6582E-06	0.003117752
1880.239962	78.913751	1.78097E-06	0.003348657
1880.279962	94.072741	2.12309E-06	0.003992005
1880.319962	92.48781	2.08732E-06	0.003924831
1880.359962	94.586962	2.1347E-06	0.004013997
1880.399962	88.755026	2.00308E-06	0.003766587
1880.439962	74.980535	1.69221E-06	0.003182092
1880.479962	77.000557	1.7378E-06	0.003267889
1880.519962	76.052205	1.71639E-06	0.00322771
1880.559962	82.007852	1.8508E-06	0.003480546
1880.599962	87.584093	1.97665E-06	0.00371729
1880.639962	83.47173	1.88384E-06	0.003542826
1880.679962	82.148333	1.85397E-06	0.003486731
1880.719962	84.810038	1.91404E-06	0.003599782
1880.759962	94.99636	2.14394E-06	0.004032228
1880.799962	101.90745	2.29991E-06	0.004325669
1880.839962	89.565222	2.02136E-06	0.003801859
1880.879962	74.966627	1.69189E-06	0.003182246
1880.919962	72.709475	1.64095E-06	0.003086499
1880.959962	85.753491	1.93534E-06	0.003640291
1880.999962	106.186518	2.39648E-06	0.004507782
1881.039962	93.883197	2.11881E-06	0.003985572
1881.079962	69.733607	1.57379E-06	0.002960426
1881.119962	57.769508	1.30378E-06	0.002452562
1881.159962	48.405656	1.09245E-06	0.00205507
1881.199962	45.479735	1.02641E-06	0.00193089
1881.239962	49.452478	1.11607E-06	0.002099602
1881.279962	50.12165	1.13118E-06	0.002128058
1881.319962	58.025743	1.30956E-06	0.002463702
1881.359962	71.200971	1.60691E-06	0.00302317
1881.399962	95.409881	2.15327E-06	0.004051159
1881.439962	101.056902	2.28071E-06	0.004291026

1881.479962	98.774338	2.2292E-06	0.004194194
1881.519962	101.565866	2.2922E-06	0.00431282
1881.559962	96.479595	2.17741E-06	0.004096928
1881.599962	85.72841	1.93477E-06	0.003640465
1881.639962	70.384871	1.58849E-06	0.002988963
1881.679962	62.102489	1.40157E-06	0.0026373
1881.719962	59.645152	1.34611E-06	0.002532998
1881.759962	71.266984	1.6084E-06	0.003026616
1881.799962	77.575981	1.75078E-06	0.003294621
1881.839962	65.366047	1.47522E-06	0.002776129
1881.879962	55.17978	1.24533E-06	0.002343563
1881.919962	52.501547	1.18489E-06	0.002229862
1881.959962	54.083033	1.22058E-06	0.00229708
1881.999962	64.62069	1.4584E-06	0.002744707
1882.039962	67.905541	1.53253E-06	0.002884289
1882.079962	81.83343	1.84687E-06	0.00347595
1882.119962	85.489417	1.92938E-06	0.003631319
1882.159962	83.114667	1.87578E-06	0.003530522
1882.199962	78.894092	1.78053E-06	0.003351313
1882.239962	80.511048	1.81702E-06	0.003420072
1882.279962	79.576296	1.79593E-06	0.003380436
1882.319962	78.738323	1.77701E-06	0.003344909
1882.359962	86.663489	1.95587E-06	0.003681659
1882.399962	97.758547	2.20627E-06	0.004153091
1882.439962	95.65944	2.1589E-06	0.004064
1882.479962	76.03036	1.7159E-06	0.003230146
1882.519962	67.972245	1.53404E-06	0.002887859
1882.559962	67.690864	1.52769E-06	0.002875965
1882.599962	68.95464	1.55621E-06	0.002929721
1882.639962	68.687522	1.55018E-06	0.002918434
1882.679962	69.522937	1.56904E-06	0.002953992
1882.719962	77.482182	1.74866E-06	0.003292246
1882.759962	82.916299	1.87131E-06	0.003523219
1882.799962	73.876994	1.6673E-06	0.003139194
1882.839962	69.767011	1.57454E-06	0.002964615
1882.879962	84.563861	1.90849E-06	0.003593455
1882.919962	100.408558	2.26608E-06	0.00426685
1882.959962	107.427573	2.42449E-06	0.004565219
1882.999962	96.854488	2.18587E-06	0.004115995
1883.039962	85.827422	1.93701E-06	0.003647459
1883.079962	72.957041	1.64654E-06	0.003100564
1883.119962	68.865026	1.55419E-06	0.002926722
1883.159962	86.209366	1.94563E-06	0.003663924
1883.199962	89.599347	2.02213E-06	0.00380808
1883.239962	85.209996	1.92307E-06	0.003621604
1883.279962	93.605695	2.11255E-06	0.003978523

1883.319962	94.909813	2.14198E-06	0.004034038
1883.359962	82.279522	1.85693E-06	0.003497276
1883.399962	74.070467	1.67167E-06	0.003148418
1883.439962	79.625064	1.79703E-06	0.003384592
1883.479962	77.532566	1.7498E-06	0.003295717
1883.519962	71.480883	1.61322E-06	0.00303854
1883.559962	61.295391	1.38335E-06	0.002605626
1883.599962	54.355521	1.22673E-06	0.002310666
1883.639962	62.11087	1.40176E-06	0.002640403
1883.679962	70.282703	1.58618E-06	0.002987861
1883.719962	82.990341	1.87298E-06	0.003528163
1883.759962	84.313038	1.90283E-06	0.003584471
1883.799962	79.0223	1.78342E-06	0.003359613
1883.839962	79.287418	1.78941E-06	0.003370956
1883.879962	84.741647	1.9125E-06	0.003602922
1883.919962	84.754497	1.91279E-06	0.003603545
1883.959962	77.445213	1.74783E-06	0.003292843
1883.999962	82.73781	1.86728E-06	0.00351795
1884.039962	85.351355	1.92626E-06	0.003629153
1884.079962	81.570546	1.84093E-06	0.003468466
1884.119962	84.826153	1.91441E-06	0.003606975
1884.159962	91.666588	2.06879E-06	0.003897926
1884.199962	79.848133	1.80206E-06	0.003395444
1884.239962	61.839966	1.39564E-06	0.002629724
1884.279962	64.460768	1.45479E-06	0.002741231
1884.319962	87.118703	1.96615E-06	0.003704852
1884.359962	98.001203	2.21175E-06	0.004167734
1884.399962	91.764533	2.071E-06	0.003902588
1884.439962	90.259652	2.03703E-06	0.003838669
1884.479962	81.207517	1.83274E-06	0.003453763
1884.519962	67.0868	1.51406E-06	0.002853268
1884.559962	66.664858	1.50453E-06	0.002835383
1884.599962	70.182829	1.58393E-06	0.002985072
1884.639962	74.332694	1.67759E-06	0.003161644
1884.679962	91.573642	2.06669E-06	0.003895048
1884.719962	102.465498	2.3125E-06	0.004358422
1884.759962	88.948343	2.00744E-06	0.003783543
1884.799962	75.497079	1.70386E-06	0.003211443
1884.839962	75.849101	1.71181E-06	0.003226485
1884.879962	81.792348	1.84594E-06	0.003479374
1884.919962	74.606157	1.68376E-06	0.003173747
1884.959962	67.22845	1.51725E-06	0.00285996
1884.999962	71.308478	1.60933E-06	0.003033593
1885.039962	83.139495	1.87634E-06	0.003536981
1885.079962	87.854846	1.98276E-06	0.003737664
1885.119962	95.180723	2.1481E-06	0.004049419

1885.159962	90.314736	2.03828E-06	0.00384248
1885.199962	76.899416	1.73551E-06	0.003271788
1885.239962	64.715363	1.46054E-06	0.00275346
1885.279962	67.637989	1.5265E-06	0.002877871
1885.319962	73.947843	1.6689E-06	0.00314641
1885.359962	71.373348	1.6108E-06	0.003036932
1885.399962	62.449067	1.40939E-06	0.002657261
1885.439962	71.145265	1.60565E-06	0.003027356
1885.479962	83.695531	1.88889E-06	0.003561467
1885.519962	76.493617	1.72635E-06	0.003255076
1885.559962	61.086614	1.37864E-06	0.002599508
1885.599962	54.958622	1.24034E-06	0.002338784
1885.639962	56.571296	1.27674E-06	0.002407463
1885.679962	64.675635	1.45964E-06	0.002752412
1885.719962	63.856838	1.44116E-06	0.002717624
1885.759962	71.923722	1.62322E-06	0.003061
1885.799962	86.511588	1.95245E-06	0.003681923
1885.839962	86.101574	1.94319E-06	0.00366455
1885.879962	93.611128	2.11267E-06	0.003984247
1885.919962	88.282897	1.99242E-06	0.003757548
1885.959962	75.625205	1.70676E-06	0.003218873
1885.999962	78.586159	1.77358E-06	0.003344972
1886.039962	75.877176	1.71244E-06	0.003229734
1886.079962	72.957273	1.64654E-06	0.003105514
1886.119962	83.575396	1.88618E-06	0.003557562
1886.159962	86.274943	1.94711E-06	0.003672552
1886.199962	75.2533	1.69836E-06	0.003203451
1886.239962	69.308553	1.5642E-06	0.002950452
1886.279962	68.05036	1.5358E-06	0.002896952
1886.319962	73.476178	1.65825E-06	0.003127999
1886.359962	76.723389	1.73154E-06	0.003266308
1886.399962	84.754094	1.91278E-06	0.003608272
1886.439962	86.708791	1.9569E-06	0.003691568
1886.479962	87.969679	1.98535E-06	0.003745329
1886.519962	88.541436	1.99826E-06	0.003769751
1886.559962	69.735372	1.57383E-06	0.002969125
1886.599962	63.964187	1.44358E-06	0.002723463
1886.639962	80.149043	1.80885E-06	0.003412653
1886.679962	81.083298	1.82994E-06	0.003452506
1886.719962	67.189179	1.51637E-06	0.002860958
1886.759962	58.697757	1.32473E-06	0.002499441
1886.799962	61.244371	1.3822E-06	0.002607935
1886.839962	73.816462	1.66593E-06	0.003143352
1886.879962	80.654891	1.82027E-06	0.003434628
1886.919962	76.736467	1.73184E-06	0.003267834
1886.959962	71.040033	1.60327E-06	0.003025315

1886.999962	69.82286	1.5758E-06	0.002973543
1887.039962	71.175445	1.60633E-06	0.00303121
1887.079962	78.167536	1.76413E-06	0.003329059
1887.119962	81.090096	1.83009E-06	0.0034536
1887.159962	82.536589	1.86274E-06	0.003515281
1887.199962	91.22456	2.05881E-06	0.003885389
1887.239962	99.637612	2.24868E-06	0.004243803
1887.279962	98.941714	2.23298E-06	0.004214252
1887.319962	82.070886	1.85223E-06	0.003495742
1887.359962	65.242693	1.47244E-06	0.002779018
1887.399962	66.859257	1.50892E-06	0.002847936
1887.439962	75.53968	1.70483E-06	0.003217756
1887.479962	77.824816	1.7564E-06	0.003315165
1887.519962	81.765772	1.84534E-06	0.003483115
1887.559962	98.540583	2.22392E-06	0.004197789
1887.599962	100.127414	2.25974E-06	0.004265478
1887.639962	93.622408	2.11293E-06	0.003988446
1887.679962	84.422166	1.90529E-06	0.003596579
1887.719962	84.138943	1.8989E-06	0.003584589
1887.759962	79.528652	1.79485E-06	0.003388248
1887.799962	71.018247	1.60278E-06	0.003025734
1887.839962	68.267454	1.5407E-06	0.002908598
1887.879962	68.362241	1.54284E-06	0.002912698
1887.919962	65.105808	1.46935E-06	0.00277401
1887.959962	65.289251	1.47349E-06	0.002781885
1887.999962	58.795758	1.32694E-06	0.00250526
1888.039962	57.359856	1.29453E-06	0.002444128
1888.079962	76.238171	1.72059E-06	0.00324861
1888.119962	85.746607	1.93518E-06	0.003653855
1888.159962	81.594056	1.84146E-06	0.003476979
1888.199962	77.88155	1.75768E-06	0.003318848
1888.239962	79.375339	1.79139E-06	0.003382576
1888.279962	73.209266	1.65223E-06	0.003119875
1888.319962	78.228646	1.76551E-06	0.003333851
1888.359962	85.579568	1.93141E-06	0.0036472
1888.399962	72.299872	1.63171E-06	0.003081316
1888.439962	67.706581	1.52804E-06	0.002885618
1888.479962	61.956578	1.39827E-06	0.002640612
1888.519962	60.83029	1.37285E-06	0.002592664
1888.559962	60.011206	1.35437E-06	0.002557808
1888.599962	64.591454	1.45774E-06	0.002753086
1888.639962	84.461539	1.90618E-06	0.003600086
1888.679962	89.487535	2.01961E-06	0.003814395
1888.719962	88.216053	1.99091E-06	0.003760278
1888.759962	92.339636	2.08398E-06	0.003936132
1888.799962	87.362053	1.97164E-06	0.003724033

1888.839962	75.53415	1.7047E-06	0.003219907
1888.879962	74.039851	1.67098E-06	0.003156274
1888.919962	75.735466	1.70924E-06	0.003228625
1888.959962	73.278524	1.65379E-06	0.003123951
1888.999962	72.8814	1.64483E-06	0.003107087
1889.039962	86.742217	1.95765E-06	0.003698081
1889.079962	78.611943	1.77416E-06	0.003351534
1889.119962	70.920514	1.60058E-06	0.003023682
1889.159962	79.11642	1.78555E-06	0.003373185
1889.199962	79.145822	1.78621E-06	0.00337451
1889.239962	79.488031	1.79393E-06	0.003389172
1889.279962	89.867763	2.02819E-06	0.003831819
1889.319962	97.750248	2.20609E-06	0.004168004
1889.359962	103.257363	2.33037E-06	0.004402917
1889.399962	108.030883	2.43811E-06	0.004606558
1889.439962	99.897084	2.25454E-06	0.004259814
1889.479962	90.895922	2.05139E-06	0.003876069
1889.519962	81.42517	1.83765E-06	0.003472281
1889.559962	70.321099	1.58705E-06	0.002998825
1889.599962	50.699172	1.14421E-06	0.002162099
1889.639962	54.955073	1.24026E-06	0.002343644
1889.679962	66.08968	1.49155E-06	0.002818556
1889.719962	69.43582	1.56707E-06	0.002961323
1889.759962	71.812179	1.6207E-06	0.003062736
1889.799962	69.845557	1.57632E-06	0.002978924
1889.839962	75.649008	1.70729E-06	0.00322651
1889.879962	77.776779	1.75531E-06	0.003317332
1889.919962	69.619787	1.57122E-06	0.002969483
1889.959962	73.163249	1.65119E-06	0.003120688
1889.999962	71.847573	1.6215E-06	0.003064634
1890.039962	69.886278	1.57724E-06	0.002981039
1890.079962	83.664525	1.88819E-06	0.003568833
1890.119962	90.344791	2.03896E-06	0.003853872
1890.159962	93.050326	2.10002E-06	0.003969367
1890.199962	88.994443	2.00848E-06	0.00379643
1890.239962	71.038845	1.60325E-06	0.003030523
1890.279962	75.376317	1.70114E-06	0.003215628
1890.319962	87.336734	1.97107E-06	0.00372595
1890.359962	82.717505	1.86682E-06	0.00352896
1890.399962	75.665449	1.70766E-06	0.003228168
1890.439962	67.025142	1.51266E-06	0.002859601
1890.479962	73.557269	1.66009E-06	0.003138358
1890.519962	82.118687	1.8533E-06	0.003503709
1890.559962	78.307274	1.76729E-06	0.00334116
1890.599962	66.558474	1.50213E-06	0.002839931
1890.639962	64.827975	1.46308E-06	0.002766152

1890.679962	72.83764	1.64384E-06	0.003107983
1890.719962	72.471356	1.63558E-06	0.003092419
1890.759962	70.327963	1.5872E-06	0.003001022
1890.799962	71.241367	1.60782E-06	0.003040063
1890.839962	78.992438	1.78275E-06	0.003370894
1890.879962	95.568411	2.15685E-06	0.004078337
1890.919962	99.237683	2.23966E-06	0.004235011
1890.959962	99.873235	2.254E-06	0.004262223
1890.999962	94.854555	2.14074E-06	0.00404813
1891.039962	88.637572	2.00043E-06	0.003782887
1891.079962	83.934075	1.89428E-06	0.003582226
1891.119962	70.345341	1.5876E-06	0.003002335
1891.159962	60.701259	1.36994E-06	0.002590781
1891.199962	60.070908	1.35572E-06	0.002563931
1891.239962	63.928707	1.44278E-06	0.002728647
1891.279962	76.505526	1.72662E-06	0.003265528
1891.319962	80.749517	1.8224E-06	0.003446749
1891.359962	78.011338	1.76061E-06	0.003329942
1891.399962	70.782383	1.59746E-06	0.003021435
1891.439962	71.402237	1.61145E-06	0.003047959
1891.479962	86.639289	1.95533E-06	0.003698464
1891.519962	96.592784	2.17996E-06	0.004123447
1891.559962	81.792047	1.84593E-06	0.003491692
1891.599962	69.868817	1.57684E-06	0.002982754
1891.639962	67.931428	1.53312E-06	0.002900107
1891.679962	77.315543	1.7449E-06	0.0033008
1891.719962	83.940165	1.89441E-06	0.003583698
1891.759962	80.933138	1.82655E-06	0.003455391
1891.799962	69.343824	1.56499E-06	0.002960655
1891.839962	83.82744	1.89187E-06	0.003579113
1891.879962	101.512722	2.291E-06	0.004334298
1891.919962	92.322012	2.08358E-06	0.003941965
1891.959962	78.004578	1.76045E-06	0.00333071
1891.999962	87.280064	1.96979E-06	0.003726842
1892.039962	97.519084	2.20087E-06	0.004164134
1892.079962	95.10644	2.14642E-06	0.004061198
1892.119962	81.121094	1.83079E-06	0.003464074
1892.159962	72.109429	1.62741E-06	0.003079319
1892.199962	78.378079	1.76888E-06	0.003347082
1892.239962	76.543251	1.72747E-06	0.003268796
1892.279962	87.602285	1.97706E-06	0.003741154
1892.319962	113.112609	2.55279E-06	0.004830703
1892.359962	114.838505	2.59175E-06	0.004904515
1892.399962	99.603205	2.24791E-06	0.004253936
1892.439962	93.693867	2.11454E-06	0.00400164
1892.479962	85.703867	1.93422E-06	0.003660467

1892.519962	97.442499	2.19914E-06	0.004161919
1892.559962	92.003982	2.0764E-06	0.003929715
1892.599962	75.425547	1.70225E-06	0.003221677
1892.639962	66.770348	1.50691E-06	0.002852045
1892.679962	77.231971	1.74302E-06	0.003298975
1892.719962	81.258134	1.83388E-06	0.003471027
1892.759962	67.47151	1.52274E-06	0.002882178
1892.799962	59.583427	1.34471E-06	0.002545276
1892.839962	64.109861	1.44687E-06	0.002738694
1892.879962	77.868176	1.75738E-06	0.003326502
1892.919962	96.40299	2.17568E-06	0.00411839
1892.959962	83.857008	1.89254E-06	0.003582495
1892.999962	68.365048	1.5429E-06	0.002920717
1893.039962	75.498771	1.7039E-06	0.003225555
1893.079962	80.662531	1.82044E-06	0.00344624
1893.119962	83.455259	1.88347E-06	0.003565633
1893.159962	74.124846	1.67289E-06	0.003167057
1893.199962	76.652326	1.72994E-06	0.003275115
1893.239962	100.400251	2.26589E-06	0.004289881
1893.279962	96.412857	2.1759E-06	0.004119595
1893.319962	76.807028	1.73343E-06	0.003281933
1893.359962	76.557837	1.7278E-06	0.003271354
1893.399962	78.253171	1.76607E-06	0.003343868
1893.439962	85.357467	1.9264E-06	0.003647521
1893.479962	85.098312	1.92055E-06	0.003636524
1893.519962	85.606411	1.93202E-06	0.003658314
1893.559962	84.206102	1.90041E-06	0.003598549
1893.599962	71.151125	1.60578E-06	0.003040708
1893.639962	69.212551	1.56203E-06	0.002957924
1893.679962	71.192319	1.60671E-06	0.003042597
1893.719962	79.724533	1.79927E-06	0.003407317
1893.759962	72.598615	1.63845E-06	0.00310283
1893.799962	60.927557	1.37505E-06	0.00260407
1893.839962	63.948861	1.44324E-06	0.002733259
1893.879962	85.407572	1.92753E-06	0.00365051
1893.919962	94.058469	2.12277E-06	0.004020354
1893.959962	96.236244	2.17192E-06	0.004113526
1893.999962	80.5319	1.81749E-06	0.003442331
1894.039962	63.236661	1.42716E-06	0.002703104
1894.079962	66.061257	1.49091E-06	0.002823904
1894.119962	78.24074	1.76578E-06	0.003344608
1894.159962	80.414902	1.81485E-06	0.003437621
1894.199962	76.609053	1.72896E-06	0.003274995
1894.239962	69.594828	1.57066E-06	0.002975204
1894.279962	77.949495	1.75921E-06	0.003332439
1894.319962	86.171877	1.94478E-06	0.003684034

1894.359962	77.777065	1.75532E-06	0.003325208
1894.399962	82.401506	1.85969E-06	0.003522991
1894.439962	74.783858	1.68777E-06	0.003197374
1894.479962	56.174743	1.26779E-06	0.002401795
1894.519962	74.926437	1.69099E-06	0.003203605
1894.559962	95.300043	2.15079E-06	0.004074799
1894.599962	93.479066	2.10969E-06	0.003997023
1894.639962	88.693372	2.00169E-06	0.003792474
1894.679962	85.406509	1.92751E-06	0.003652007
1894.719962	71.836689	1.62125E-06	0.003071822
1894.759962	63.258685	1.42766E-06	0.002705074
1894.799962	64.287051	1.45087E-06	0.002749107
1894.839962	80.859027	1.82488E-06	0.003457847
1894.879962	94.108443	2.1239E-06	0.004024529
1894.919962	86.690356	1.95648E-06	0.003707374
1894.959962	77.168673	1.74159E-06	0.003300242
1894.999962	59.666447	1.34659E-06	0.002551785
1895.039962	46.210224	1.0429E-06	0.001976338
1895.079962	56.979848	1.28596E-06	0.002436989
1895.119962	70.831764	1.59857E-06	0.00302949
1895.159962	69.761167	1.57441E-06	0.002983763
1895.199962	71.726434	1.61877E-06	0.003067885
1895.239962	69.173941	1.56116E-06	0.002958772
1895.279962	70.859545	1.5992E-06	0.003030934
1895.319962	78.334329	1.7679E-06	0.00335073
1895.359962	82.692942	1.86626E-06	0.003537243
1895.399962	82.059353	1.85197E-06	0.003510215
1895.439962	87.969041	1.98534E-06	0.00376309
1895.479962	85.571754	1.93124E-06	0.003660618
1895.519962	81.872624	1.84775E-06	0.003502449
1895.559962	86.475789	1.95164E-06	0.003699447
1895.599962	94.546459	2.13378E-06	0.004044797
1895.639962	88.773159	2.00349E-06	0.003797889
1895.679962	70.609885	1.59357E-06	0.003020893
1895.719962	67.134503	1.51513E-06	0.002872266
1895.759962	68.192285	1.539E-06	0.002917584
1895.799962	62.930065	1.42024E-06	0.002692498
1895.839962	64.925412	1.46528E-06	0.002777929
1895.879962	73.525957	1.65938E-06	0.003145982
1895.919962	72.383494	1.63359E-06	0.003097165
1895.959962	76.562506	1.72791E-06	0.003276047
1895.999962	83.970822	1.8951E-06	0.003593118
1896.039962	89.620338	2.02261E-06	0.003834942
1896.079962	82.541551	1.86285E-06	0.003532108
1896.119962	70.968864	1.60167E-06	0.003036955
1896.159962	69.322935	1.56452E-06	0.002966584

1896.199962	74.868707	1.68968E-06	0.003203976
1896.239962	77.671652	1.75294E-06	0.003323997
1896.279962	81.424972	1.83765E-06	0.003484695
1896.319962	73.088799	1.64951E-06	0.003128003
1896.359962	62.36419	1.40747E-06	0.002669075
1896.399962	61.324425	1.38401E-06	0.002624631
1896.439962	64.080936	1.44622E-06	0.002742665
1896.479962	79.695882	1.79863E-06	0.003411056
1896.519962	82.405961	1.85979E-06	0.003527125
1896.559962	87.113281	1.96603E-06	0.003728685
1896.599962	96.028662	2.16723E-06	0.004110374
1896.639962	90.302152	2.03799E-06	0.00386534
1896.679962	89.306708	2.01553E-06	0.003822812
1896.719962	77.642354	1.75228E-06	0.003323584
1896.759962	70.235853	1.58513E-06	0.003006602
1896.799962	62.48816	1.41027E-06	0.002675001
1896.839962	64.212332	1.44918E-06	0.002748868
1896.879962	68.930606	1.55567E-06	0.002950915
1896.919962	87.014516	1.9638E-06	0.003725165
1896.959962	90.583884	2.04435E-06	0.003878054
1896.999962	81.631037	1.8423E-06	0.003494841
1897.039962	91.974385	2.07573E-06	0.00393775
1897.079962	92.111859	2.07884E-06	0.003943719
1897.119962	87.931948	1.9845E-06	0.003764838
1897.159962	90.487123	2.04217E-06	0.00387432
1897.199962	84.641069	1.91023E-06	0.00362409
1897.239962	87.900783	1.9838E-06	0.003763741
1897.279962	92.620676	2.09032E-06	0.003965922
1897.319962	84.987994	1.91806E-06	0.003639175
1897.359962	81.401884	1.83713E-06	0.003485691
1897.399962	73.622643	1.66156E-06	0.003152645
1897.439962	67.756918	1.52918E-06	0.002901526
1897.479962	64.879997	1.46425E-06	0.002778387
1897.519962	72.239838	1.63035E-06	0.003093626
1897.559962	80.040372	1.8064E-06	0.003427752
1897.599962	74.717488	1.68627E-06	0.003199865
1897.639962	80.67338	1.82069E-06	0.003455006
1897.679962	92.394695	2.08522E-06	0.003957079
1897.719962	89.140733	2.01178E-06	0.003817799
1897.759962	86.200928	1.94543E-06	0.003691968
1897.799962	87.803696	1.98161E-06	0.003760694
1897.839962	86.066321	1.9424E-06	0.003686359
1897.879962	78.224146	1.76541E-06	0.003350536
1897.919962	71.527426	1.61427E-06	0.003063764
1897.959962	80.3754	1.81396E-06	0.003442825
1897.999962	86.759183	1.95803E-06	0.003716348

1898.039962	82.83304	1.86943E-06	0.003548246
1898.079962	81.341378	1.83576E-06	0.003484422
1898.119962	74.466326	1.6806E-06	0.003189983
1898.159962	70.184296	1.58396E-06	0.003006613
1898.199962	66.729911	1.506E-06	0.002858691
1898.239962	65.946233	1.48831E-06	0.002825178
1898.279962	59.86497	1.35107E-06	0.002564707
1898.319962	53.727657	1.21256E-06	0.002301824
1898.359962	55.293136	1.24789E-06	0.002368943
1898.399962	64.784045	1.46209E-06	0.002775623
1898.439962	70.432754	1.58957E-06	0.003017702
1898.479962	78.104848	1.76272E-06	0.003346484
1898.519962	91.329894	2.06119E-06	0.003913208
1898.559962	91.319576	2.06096E-06	0.003912848
1898.599962	80.923657	1.82633E-06	0.003467478
1898.639962	85.204716	1.92295E-06	0.003650993
1898.679962	83.205666	1.87784E-06	0.00356541
1898.719962	80.446692	1.81557E-06	0.003447259
1898.759962	75.677067	1.70793E-06	0.003242941
1898.799962	72.519871	1.63667E-06	0.003107714
1898.839962	60.280508	1.36045E-06	0.002583271
1898.879962	55.988989	1.26359E-06	0.002399412
1898.919962	56.24455	1.26936E-06	0.002410415
1898.959962	49.87064	1.12551E-06	0.0021373
1898.999962	55.551804	1.25373E-06	0.002380827
1899.039962	59.664774	1.34655E-06	0.002557154
1899.079962	56.065743	1.26533E-06	0.002402955
1899.119962	69.113298	1.55979E-06	0.00296223
1899.159962	87.689299	1.97903E-06	0.003758486
1899.199962	98.784149	2.22942E-06	0.004234116
1899.239962	94.185983	2.12565E-06	0.004037113
1899.279962	82.86675	1.87019E-06	0.003552009
1899.319962	62.045625	1.40028E-06	0.002659586
1899.359962	54.051881	1.21988E-06	0.002316983
1899.399962	65.459133	1.47732E-06	0.002806024
1899.439962	69.070973	1.55884E-06	0.002960915
1899.479962	64.863994	1.46389E-06	0.00278063
1899.519962	55.38662	1.25E-06	0.002374398
1899.559962	64.931927	1.46542E-06	0.002783659
1899.599962	76.414954	1.72458E-06	0.00327601
1899.639962	81.948274	1.84946E-06	0.003513305
1899.679962	70.462326	1.59024E-06	0.003020941
1899.719962	60.457332	1.36444E-06	0.00259205
1899.759962	55.862423	1.26074E-06	0.002395098
1899.799962	57.399075	1.29542E-06	0.002461033
1899.839962	61.570677	1.38956E-06	0.00263995

1899.879962	63.961558	1.44352E-06	0.002742521
1899.919962	65.339689	1.47463E-06	0.002801671
1899.959962	68.492518	1.54578E-06	0.002936921
1899.999962	67.256091	1.51788E-06	0.002883965
1900.039962	59.235286	1.33686E-06	0.002540083
1900.079962	49.942582	1.12713E-06	0.002141646
1900.119962	55.983529	1.26347E-06	0.002400745
1900.159962	63.811438	1.44014E-06	0.002736487
1900.199962	68.476182	1.54541E-06	0.002936592
1900.239962	79.316788	1.79007E-06	0.003401561
1900.279962	78.013604	1.76066E-06	0.003345744
1900.319962	78.386277	1.76907E-06	0.003361797
1900.359962	92.815039	2.09471E-06	0.003980696
1900.399962	91.42116	2.06325E-06	0.003920997
1900.439962	86.836067	1.95977E-06	0.003724423
1900.479962	73.104481	1.64987E-06	0.003135538
1900.519962	67.456844	1.52241E-06	0.002893365
1900.559962	77.094033	1.7399E-06	0.003306794
1900.599962	82.780364	1.86824E-06	0.003550772
1900.639962	72.258084	1.63076E-06	0.003099496
1900.679962	74.28465	1.6765E-06	0.003186492
1900.719962	66.68171	1.50491E-06	0.002860419
1900.759962	59.746309	1.34839E-06	0.002562968
1900.799962	69.592389	1.5706E-06	0.002985403
1900.839962	74.328607	1.67749E-06	0.003188646
1900.879962	75.70311	1.70851E-06	0.00324768
1900.919962	75.144462	1.69591E-06	0.003223781
1900.959962	75.782801	1.71031E-06	0.003251235
1900.999962	65.092491	1.46905E-06	0.002792658
1901.039962	61.929539	1.39766E-06	0.002657014
1901.079962	65.031473	1.46767E-06	0.002790158
1901.119962	75.932156	1.71368E-06	0.003257917
1901.159962	77.4283	1.74745E-06	0.00332218
1901.199962	64.929152	1.46536E-06	0.002785943
1901.239962	65.929531	1.48794E-06	0.002828927
1901.279962	72.921732	1.64574E-06	0.003129016
1901.319962	80.634978	1.81982E-06	0.003460058
1901.359962	84.742301	1.91252E-06	0.003636381
1901.399962	85.782045	1.93598E-06	0.003681075
1901.439962	95.989198	2.16634E-06	0.00411917
1901.479962	92.533847	2.08836E-06	0.003970975
1901.519962	82.592536	1.864E-06	0.00354443
1901.559962	82.804967	1.86879E-06	0.003553622
1901.599962	78.659998	1.77525E-06	0.003375809
1901.639962	63.08069	1.42364E-06	0.002707257
1901.679962	56.637482	1.27823E-06	0.002430783

1901.719962	76.130778	1.71817E-06	0.00326747
1901.759962	88.322234	1.99331E-06	0.003790797
1901.799962	93.041999	2.09983E-06	0.003993453
1901.839962	102.796537	2.31997E-06	0.004412221
1901.879962	110.644665	2.4971E-06	0.004749177
1901.919962	107.686678	2.43034E-06	0.004622309
1901.959962	71.672452	1.61755E-06	0.00307651
1901.999962	50.729417	1.14489E-06	0.002177585
1902.039962	56.722513	1.28015E-06	0.002434893
1902.079962	70.762506	1.59701E-06	0.003037643
1902.119962	79.261813	1.78883E-06	0.003402567
1902.159962	90.8746	2.05091E-06	0.003901165
1902.199962	96.135852	2.16965E-06	0.004127112
1902.239962	83.869585	1.89282E-06	0.003600597
1902.279962	87.878955	1.98331E-06	0.003772803
1902.319962	87.969827	1.98536E-06	0.003776783
1902.359962	73.198953	1.652E-06	0.003142696
1902.399962	61.772916	1.39413E-06	0.00265219
1902.439962	65.612427	1.48078E-06	0.002817097
1902.479962	72.097461	1.62714E-06	0.0030956
1902.519962	63.564841	1.43457E-06	0.002729298
1902.559962	56.327198	1.27123E-06	0.002418584
1902.599962	63.698343	1.43758E-06	0.002735145
1902.639962	71.061933	1.60377E-06	0.003051395
1902.679962	65.723394	1.48329E-06	0.002822218
1902.719962	60.852458	1.37336E-06	0.00261311
1902.759962	66.21435	1.49437E-06	0.002843419
1902.799962	72.329304	1.63237E-06	0.003106077
1902.839962	78.775165	1.77785E-06	0.003382956
1902.879962	74.986362	1.69234E-06	0.003220316
1902.919962	74.002286	1.67013E-06	0.003178121
1902.959962	68.864551	1.55418E-06	0.002957537
1902.999962	63.950362	1.44327E-06	0.002746544
1903.039962	60.910318	1.37466E-06	0.002616035
1903.079962	75.977384	1.7147E-06	0.003263218
1903.119962	85.918782	1.93907E-06	0.003690278
1903.159962	78.725059	1.77671E-06	0.003381373
1903.199962	79.185481	1.78711E-06	0.00340122
1903.239962	95.721888	2.16031E-06	0.004111588
1903.279962	105.926887	2.39062E-06	0.004550024
1903.319962	102.943436	2.32329E-06	0.004421964
1903.359962	92.568579	2.08914E-06	0.003976393
1903.399962	79.92368	1.80377E-06	0.003433288
1903.439962	80.632842	1.81977E-06	0.003463825
1903.479962	80.510544	1.81701E-06	0.003458644
1903.519962	78.403198	1.76945E-06	0.003368185

1903.559962	78.644956	1.77491E-06	0.003378642
1903.599962	79.54793	1.79529E-06	0.003417506
1903.639962	77.530506	1.74976E-06	0.003330905
1903.679962	65.601072	1.48052E-06	0.002818445
1903.719962	64.147096	1.44771E-06	0.002756036
1903.759962	58.478484	1.31978E-06	0.00251254
1903.799962	57.014129	1.28673E-06	0.002449676
1903.839962	59.017743	1.33195E-06	0.002535816
1903.879962	55.377739	1.2498E-06	0.002379466
1903.919962	47.354184	1.06872E-06	0.002034753
1903.959962	41.658326	9.4017E-07	0.001790047
1903.999962	42.940038	9.69097E-07	0.00184516
1904.039962	58.527805	1.32089E-06	0.002515029
1904.079962	74.110882	1.67258E-06	0.003184725
1904.119962	73.822761	1.66608E-06	0.00317241
1904.159962	70.351103	1.58773E-06	0.003023285
1904.199962	67.243631	1.5176E-06	0.002889805
1904.239962	69.623408	1.5713E-06	0.002992139
1904.279962	80.38417	1.81416E-06	0.003454666
1904.319962	89.757016	2.02569E-06	0.003857563
1904.359962	91.782402	2.0714E-06	0.003944693
1904.399962	88.454713	1.9963E-06	0.003801753
1904.439962	93.718645	2.1151E-06	0.00402808
1904.479962	81.5136	1.83965E-06	0.003503574
1904.519962	69.138254	1.56035E-06	0.002971726
1904.559962	68.979967	1.55678E-06	0.002964984
1904.599962	63.156775	1.42536E-06	0.002714741
1904.639962	58.307358	1.31592E-06	0.002506346
1904.679962	67.055641	1.51335E-06	0.002882452
1904.719962	70.407394	1.589E-06	0.003026594
1904.759962	66.416179	1.49892E-06	0.002855084
1904.799962	65.21198	1.47174E-06	0.002803377
1904.839962	55.411836	1.25057E-06	0.002382132
1904.879962	53.739054	1.21282E-06	0.002310268
1904.919962	65.086804	1.46892E-06	0.002798172
1904.959962	81.950515	1.84951E-06	0.003523241
1904.999962	96.626636	2.18073E-06	0.004154288
1905.039962	94.880174	2.14131E-06	0.004079288
1905.079962	82.996018	1.8731E-06	0.003568414
1905.119962	69.547931	1.5696E-06	0.002990276
1905.159962	71.067464	1.60389E-06	0.003055674
1905.199962	75.337463	1.70026E-06	0.003239338
1905.239962	69.484421	1.56817E-06	0.002987734
1905.279962	80.90571	1.82593E-06	0.003478906
1905.319962	108.908635	2.45792E-06	0.004683117
1905.359962	116.038431	2.61883E-06	0.004989806

1905.399962	102.861308	2.32144E-06	0.004423265
1905.439962	91.82579	2.07238E-06	0.003948796
1905.479962	69.535149	1.56931E-06	0.002990292
1905.519962	62.669946	1.41437E-06	0.002695117
1905.559962	70.068979	1.58136E-06	0.003013375
1905.599962	66.816107	1.50795E-06	0.002873543
1905.639962	69.775497	1.57474E-06	0.003000879
1905.679962	74.695499	1.68577E-06	0.003212545
1905.719962	67.353731	1.52008E-06	0.002896847
1905.759962	47.658717	1.07559E-06	0.002049818
1905.799962	42.017204	9.4827E-07	0.001807212
1905.839962	53.846592	1.21524E-06	0.002316058
1905.879962	60.863633	1.37361E-06	0.002617931
1905.919962	70.33797	1.58743E-06	0.003025515
1905.959962	83.345481	1.88099E-06	0.003585094
1905.999962	79.379684	1.79149E-06	0.003414578
1906.039962	83.184137	1.87735E-06	0.003578304
1906.079962	91.943531	2.07504E-06	0.003955187
1906.119962	84.016319	1.89613E-06	0.003614254
1906.159962	72.674015	1.64015E-06	0.003126391
1906.199962	63.095048	1.42397E-06	0.002714367
1906.239962	63.994413	1.44426E-06	0.002753115
1906.279962	66.431929	1.49928E-06	0.00285804
1906.319962	82.122314	1.85339E-06	0.003533147
1906.359962	89.199315	2.0131E-06	0.003837701
1906.399962	80.108924	1.80795E-06	0.00344667
1906.439962	77.260124	1.74365E-06	0.00332417
1906.479962	67.613259	1.52594E-06	0.002909168
1906.519962	63.298582	1.42856E-06	0.00272358
1906.559962	64.179709	1.44845E-06	0.00276155
1906.599962	63.446353	1.4319E-06	0.002730053
1906.639962	71.199798	1.60688E-06	0.003063742
1906.679962	72.402155	1.63402E-06	0.003115545
1906.719962	64.662586	1.45934E-06	0.002782561
1906.759962	58.036381	1.3098E-06	0.002497475
1906.799962	61.653858	1.39144E-06	0.002653201
1906.839962	68.277195	1.54092E-06	0.00293829
1906.879962	70.214376	1.58464E-06	0.00302172
1906.919962	69.669777	1.57235E-06	0.002998345
1906.959962	67.39756	1.52107E-06	0.002900618
1906.999962	61.464005	1.38716E-06	0.002645308
1907.039962	61.510984	1.38822E-06	0.002647386
1907.079962	69.736471	1.57386E-06	0.003001467
1907.119962	86.358196	1.94898E-06	0.003716947
1907.159962	77.041163	1.73871E-06	0.003316001
1907.199962	68.307844	1.54161E-06	0.002940164

1907.239962	77.378652	1.74633E-06	0.003330667
1907.279962	86.730674	1.95739E-06	0.003733292
1907.319962	81.527893	1.83997E-06	0.003509413
1907.359962	90.694326	2.04684E-06	0.003904069
1907.399962	97.832697	2.20795E-06	0.004211439
1907.439962	97.66817	2.20423E-06	0.004204445
1907.479962	81.177095	1.83205E-06	0.003494606
1907.519962	64.392852	1.45326E-06	0.002772117
1907.559962	60.658201	1.36897E-06	0.002611394
1907.599962	69.319143	1.56444E-06	0.002984319
1907.639962	84.368441	1.90408E-06	0.003632296
1907.679962	83.012142	1.87347E-06	0.003573978
1907.719962	72.507677	1.6364E-06	0.003121788
1907.759962	74.256631	1.67587E-06	0.003197155
1907.799962	65.80952	1.48523E-06	0.00283352
1907.839962	60.318998	1.36132E-06	0.002597173
1907.879962	60.122466	1.35688E-06	0.002588765
1907.919962	57.536337	1.29851E-06	0.002477463
1907.959962	65.752997	1.48395E-06	0.002831324
1907.999962	68.568395	1.54749E-06	0.002952617
1908.039962	68.710847	1.55071E-06	0.002958813
1908.079962	63.351238	1.42975E-06	0.002728076
1908.119962	63.732666	1.43836E-06	0.002744559
1908.159962	63.519565	1.43355E-06	0.002735439
1908.199962	64.275241	1.4506E-06	0.00276804
1908.239962	68.067151	1.53618E-06	0.002931402
1908.279962	63.882119	1.44173E-06	0.002751225
1908.319962	56.047326	1.26491E-06	0.002413853
1908.359962	57.754285	1.30343E-06	0.002487421
1908.399962	86.365401	1.94915E-06	0.003719752
1908.439962	95.100699	2.14629E-06	0.004096066
1908.479962	77.811824	1.7561E-06	0.00335149
1908.519962	64.729516	1.46086E-06	0.002788071
1908.559962	67.587923	1.52537E-06	0.002911251
1908.599962	74.212732	1.67488E-06	0.003196672
1908.639962	68.005713	1.53479E-06	0.00292937
1908.679962	54.792898	1.2366E-06	0.002360272
1908.719962	49.368658	1.11418E-06	0.002126661
1908.759962	58.683969	1.32442E-06	0.002527991
1908.799962	67.540093	1.52429E-06	0.002909557
1908.839962	61.730211	1.39316E-06	0.002659329
1908.879962	57.039135	1.28729E-06	0.002457289
1908.919962	56.17232	1.26773E-06	0.002419997
1908.959962	57.583874	1.29959E-06	0.002480861
1908.999962	58.516424	1.32063E-06	0.002521091
1909.039962	50.45936	1.1388E-06	0.00217401

1909.079962	51.151825	1.15443E-06	0.00220389
1909.119962	66.825815	1.50817E-06	0.002879269
1909.159962	79.02736	1.78354E-06	0.003405058
1909.199962	74.15059	1.67348E-06	0.003194999
1909.239962	70.485062	1.59075E-06	0.003037123
1909.279962	73.824992	1.66613E-06	0.003181103
1909.319962	89.824899	2.02722E-06	0.003870617
1909.359962	87.17125	1.96733E-06	0.003756348
1909.399962	66.305694	1.49643E-06	0.002857278
1909.439962	47.621117	1.07474E-06	0.002052156
1909.479962	45.665357	1.0306E-06	0.001967917
1909.519962	57.811362	1.30472E-06	0.002491393
1909.559962	69.007063	1.55739E-06	0.002973936
1909.599962	69.860109	1.57665E-06	0.003010762
1909.639962	73.217637	1.65242E-06	0.003155527
1909.679962	71.163586	1.60606E-06	0.003067066
1909.719962	72.193246	1.6293E-06	0.003111509
1909.759962	71.410614	1.61164E-06	0.003077842
1909.799962	62.6238	1.41333E-06	0.002699181
1909.839962	64.160206	1.44801E-06	0.002765461
1909.879962	65.952426	1.48845E-06	0.002842769
1909.919962	59.70307	1.34742E-06	0.002573455
1909.959962	63.711579	1.43788E-06	0.002746296
1909.999962	73.63135	1.66176E-06	0.003173956
1910.039962	74.062733	1.67149E-06	0.003192618
1910.079962	72.907359	1.64542E-06	0.003142879
1910.119962	62.621298	1.41328E-06	0.002699526
1910.159962	58.489803	1.32003E-06	0.002521475
1910.199962	62.813572	1.41761E-06	0.002707928
1910.239962	73.386972	1.65624E-06	0.003163819
1910.279962	84.455945	1.90605E-06	0.003641095
1910.319962	89.125274	2.01143E-06	0.003842481
1910.359962	97.848289	2.2083E-06	0.004218647
1910.399962	101.814067	2.2978E-06	0.00438972
1910.439962	104.724446	2.36348E-06	0.004515296
1910.479962	87.924189	1.98433E-06	0.003791016
1910.519962	75.063928	1.69409E-06	0.00323659
1910.559962	63.16764	1.42561E-06	0.002723705
1910.599962	54.48116	1.22956E-06	0.002349205
1910.639962	65.935957	1.48808E-06	0.00284319
1910.679962	61.741538	1.39342E-06	0.002662381
1910.719962	48.329687	1.09073E-06	0.002084087
1910.759962	48.852247	1.10253E-06	0.002106665
1910.799962	67.504705	1.52349E-06	0.002911079
1910.839962	77.64925	1.75244E-06	0.003348624
1910.879962	80.303373	1.81234E-06	0.003463155

1910.919962	68.291228	1.54124E-06	0.002945182
1910.959962	60.63321	1.36841E-06	0.002614971
1910.999962	62.625107	1.41336E-06	0.002700934
1911.039962	72.64026	1.63939E-06	0.003132939
1911.079962	71.383192	1.61102E-06	0.003078787
1911.119962	58.522108	1.32076E-06	0.002524136
1911.159962	49.865083	1.12539E-06	0.002150792
1911.199962	48.689519	1.09885E-06	0.002100131
1911.239962	57.017819	1.28681E-06	0.002459408
1911.279962	72.91316	1.64555E-06	0.003145104
1911.319962	81.675849	1.84331E-06	0.003523155
1911.359962	84.156425	1.89929E-06	0.003630233
1911.399962	88.685028	2.0015E-06	0.003825662
1911.439962	78.16428	1.76406E-06	0.003371893
1911.479962	73.855095	1.66681E-06	0.003186067
1911.519962	71.886437	1.62238E-06	0.003101206
1911.559962	67.319876	1.51932E-06	0.002904263
1911.599962	68.205645	1.53931E-06	0.002942538
1911.639962	66.546305	1.50186E-06	0.002871011
1911.679962	72.529247	1.63688E-06	0.003129198
1911.719962	73.616897	1.66143E-06	0.00317619
1911.759962	58.284895	1.31541E-06	0.002514746
1911.799962	56.912249	1.28443E-06	0.002455574
1911.839962	49.97136	1.12778E-06	0.002156143
1911.879962	44.746536	1.00987E-06	0.001930744
1911.919962	48.204792	1.08792E-06	0.002080006
1911.959962	64.630124	1.45861E-06	0.002788808
1911.999962	72.37665	1.63344E-06	0.003123138
1912.039962	72.497742	1.63617E-06	0.003128428
1912.079962	69.378329	1.56577E-06	0.002993882
1912.119962	68.751633	1.55163E-06	0.0029669
1912.159962	74.00904	1.67028E-06	0.003193844
1912.199962	83.433369	1.88297E-06	0.003600625
1912.239962	85.520771	1.93008E-06	0.003690785
1912.279962	85.165937	1.92208E-06	0.003675549
1912.319962	88.188618	1.99029E-06	0.003806079
1912.359962	94.146742	2.12476E-06	0.004063308
1912.399962	77.68017	1.75313E-06	0.003352692
1912.439962	61.358587	1.38478E-06	0.002648304
1912.479962	72.192462	1.62928E-06	0.003115972
1912.519962	77.641133	1.75225E-06	0.003351217
1912.559962	69.362875	1.56542E-06	0.002993966
1912.599962	78.596819	1.77382E-06	0.003392609
1912.639962	100.729288	2.27332E-06	0.004348042
1912.679962	88.831587	2.00481E-06	0.003834551
1912.719962	73.271608	1.65364E-06	0.003162947

1912.759962	63.648509	1.43646E-06	0.0027476
1912.799962	59.43326	1.34133E-06	0.002565688
1912.839962	67.427712	1.52175E-06	0.002910863
1912.879962	67.457518	1.52242E-06	0.002912211
1912.919962	63.410417	1.43108E-06	0.002737551
1912.959962	65.191258	1.47128E-06	0.002814492
1912.999962	69.004215	1.55733E-06	0.00297917
1913.039962	63.708382	1.43781E-06	0.002750587
1913.079962	54.17788	1.22272E-06	0.00233916
1913.119962	52.480974	1.18442E-06	0.002265942
1913.159962	69.11259	1.55977E-06	0.002984099
1913.199962	75.343375	1.7004E-06	0.003253196
1913.239962	61.465711	1.3872E-06	0.002654038
1913.279962	57.805937	1.3046E-06	0.002496064
1913.319962	61.320879	1.38393E-06	0.002647895
1913.359962	52.696317	1.18928E-06	0.002275525
1913.399962	49.904352	1.12627E-06	0.002155008
1913.439962	60.015023	1.35446E-06	0.002591669
1913.479962	61.699478	1.39247E-06	0.002664466
1913.519962	60.819129	1.3726E-06	0.002626503
1913.559962	69.037812	1.55809E-06	0.002981493
1913.599962	77.250698	1.74344E-06	0.003336248
1913.639962	67.786413	1.52984E-06	0.002927572
1913.679962	57.415835	1.2958E-06	0.002479738
1913.719962	51.947933	1.17239E-06	0.002243631
1913.759962	59.261213	1.33744E-06	0.002559545
1913.799962	71.161437	1.60601E-06	0.003073591
1913.839962	70.647625	1.59442E-06	0.003051462
1913.879962	65.612775	1.48079E-06	0.002834052
1913.919962	75.886419	1.71265E-06	0.003277877
1913.959962	74.18306	1.67421E-06	0.003204368
1913.999962	71.841565	1.62136E-06	0.003103291
1914.039962	83.071137	1.8748E-06	0.003588442
1914.079962	88.192127	1.99037E-06	0.003809734
1914.119962	83.704819	1.8891E-06	0.003615966
1914.159962	86.33593	1.94848E-06	0.003729706
1914.199962	84.235741	1.90108E-06	0.003639054
1914.239962	81.447593	1.83816E-06	0.003518677
1914.279962	80.376992	1.814E-06	0.003472498
1914.319962	84.872092	1.91544E-06	0.003666774
1914.359962	83.682516	1.8886E-06	0.003615456
1914.399962	70.9911	1.60217E-06	0.003067195
1914.439962	56.172633	1.26774E-06	0.002427008
1914.479962	49.962941	1.12759E-06	0.002158756
1914.519962	58.913395	1.32959E-06	0.002545533
1914.559962	60.924421	1.37498E-06	0.00263248

1914.599962	62.007094	1.39941E-06	0.002679317
1914.639962	62.234055	1.40454E-06	0.002689181
1914.679962	62.140141	1.40242E-06	0.002685179
1914.719962	67.082223	1.51395E-06	0.002898795
1914.759962	52.698864	1.18934E-06	0.002277301
1914.799962	44.89601	1.01324E-06	0.001940153
1914.839962	54.279145	1.225E-06	0.002345688
1914.879962	63.938189	1.443E-06	0.002763164
1914.919962	79.188994	1.78719E-06	0.003422317
1914.959962	75.818025	1.71111E-06	0.003276702
1914.999962	65.120051	1.46967E-06	0.002814416
1915.039962	65.214062	1.47179E-06	0.002818538
1915.079962	66.818745	1.50801E-06	0.002887952
1915.119962	63.221078	1.42681E-06	0.002732516
1915.159962	59.394115	1.34044E-06	0.002567162
1915.199962	62.082216	1.40111E-06	0.002683404
1915.239962	70.387901	1.58856E-06	0.003042468
1915.279962	83.554562	1.88571E-06	0.003611663
1915.319962	76.786956	1.73297E-06	0.003319201
1915.359962	54.23214	1.22394E-06	0.002344293
1915.399962	53.348831	1.20401E-06	0.002306158
1915.439962	66.726944	1.50593E-06	0.002884527
1915.479962	70.882845	1.59973E-06	0.003064245
1915.519962	66.505779	1.50094E-06	0.002875086
1915.559962	72.877366	1.64474E-06	0.003150599
1915.599962	66.197645	1.49399E-06	0.002861885
1915.639962	70.857792	1.59916E-06	0.003063418
1915.679962	76.467826	1.72577E-06	0.003306027
1915.719962	70.696134	1.59551E-06	0.003056557
1915.759962	69.848215	1.57638E-06	0.00301996
1915.799962	77.982364	1.75995E-06	0.003371719
1915.839962	85.78043	1.93594E-06	0.00370896
1915.879962	78.690152	1.77593E-06	0.003402463
1915.919962	68.809599	1.55294E-06	0.002975303
1915.959962	58.908347	1.32948E-06	0.002547229
1915.999962	56.548973	1.27623E-06	0.00244526
1916.039962	57.550979	1.29885E-06	0.00248864
1916.079962	72.295202	1.6316E-06	0.00312628
1916.119962	82.508929	1.86211E-06	0.003568029
1916.159962	75.875244	1.7124E-06	0.00328123
1916.199962	68.490326	1.54573E-06	0.00296193
1916.239962	66.29493	1.49618E-06	0.002867048
1916.279962	56.273365	1.27001E-06	0.002433698
1916.319962	53.591785	1.20949E-06	0.002317774
1916.359962	68.616289	1.54857E-06	0.002967625
1916.399962	84.550194	1.90818E-06	0.003656836

1916.439962	69.422721	1.56677E-06	0.003002629
1916.479962	48.874795	1.10304E-06	0.002113946
1916.519962	54.100043	1.22096E-06	0.002339999
1916.559962	75.803504	1.71078E-06	0.003278811
1916.599962	71.910849	1.62293E-06	0.003110503
1916.639962	63.316597	1.42897E-06	0.002738816
1916.679962	60.933418	1.37518E-06	0.002635784
1916.719962	86.275816	1.94712E-06	0.003732093
1916.759962	106.818359	2.41074E-06	0.004620813
1916.799962	97.411094	2.19843E-06	0.004213956
1916.839962	75.452404	1.70286E-06	0.003264102
1916.879962	63.00255	1.42188E-06	0.002725573
1916.919962	59.818449	1.35002E-06	0.002587879
1916.959962	70.89244	1.59994E-06	0.003067028
1916.999962	68.304574	1.54154E-06	0.00295513
1917.039962	52.692407	1.18919E-06	0.002279733
1917.079962	68.041803	1.53561E-06	0.002943885
1917.119962	86.771127	1.9583E-06	0.003754303
1917.159962	84.883826	1.91571E-06	0.003672722
1917.199962	75.975757	1.71467E-06	0.00328736
1917.239962	60.800268	1.37218E-06	0.002630793
1917.279962	66.841664	1.50852E-06	0.002892261
1917.319962	86.506848	1.95234E-06	0.003743259
1917.359962	85.653705	1.93308E-06	0.003706419
1917.399962	92.653393	2.09106E-06	0.004009395
1917.439962	94.80943	2.13972E-06	0.004102778
1917.479962	84.073476	1.89742E-06	0.003638267
1917.519962	64.814049	1.46276E-06	0.002804877
1917.559962	57.984675	1.30863E-06	0.002509383
1917.599962	56.098575	1.26607E-06	0.002427809
1917.639962	49.954199	1.1274E-06	0.002161941
1917.679962	47.837084	1.07962E-06	0.002070359
1917.719962	47.269126	1.0668E-06	0.00204582
1917.759962	64.668035	1.45947E-06	0.002798908
1917.799962	70.107109	1.58222E-06	0.003034381
1917.839962	66.193917	1.4939E-06	0.00286507
1917.879962	72.247157	1.63052E-06	0.003127137
1917.919962	77.447414	1.74788E-06	0.003352294
1917.959962	67.666556	1.52714E-06	0.002928993
1917.999962	61.650889	1.39137E-06	0.002668657
1918.039962	63.811677	1.44014E-06	0.002762247
1918.079962	64.847098	1.46351E-06	0.002807127
1918.119962	67.743163	1.52887E-06	0.002932554
1918.159962	64.918274	1.46512E-06	0.002810325
1918.199962	75.99505	1.7151E-06	0.003289909
1918.239962	83.531777	1.8852E-06	0.003616258

1918.279962	91.829873	2.07247E-06	0.003975582
1918.319962	96.832337	2.18537E-06	0.004192241
1918.359962	81.002756	1.82812E-06	0.003506991
1918.399962	66.984485	1.51175E-06	0.002900134
1918.439962	64.258207	1.45022E-06	0.002782157
1918.479962	66.857428	1.50888E-06	0.002894754
1918.519962	64.875535	1.46415E-06	0.002809002
1918.559962	63.74226	1.43857E-06	0.002759991
1918.599962	59.410069	1.3408E-06	0.002572464
1918.639962	56.873062	1.28355E-06	0.002462662
1918.679962	54.424456	1.22828E-06	0.002356684
1918.719962	45.510186	1.0271E-06	0.00197072
1918.759962	52.592007	1.18693E-06	0.002277431
1918.799962	66.897618	1.50979E-06	0.002896977
1918.839962	77.479801	1.74861E-06	0.003355305
1918.879962	79.793477	1.80083E-06	0.003455572
1918.919962	80.626582	1.81963E-06	0.003491724
1918.959962	73.71929	1.66374E-06	0.003192654
1918.999962	69.067679	1.55876E-06	0.002991263
1919.039962	71.992462	1.62477E-06	0.003117998
1919.079962	66.917524	1.51024E-06	0.002898262
1919.119962	61.602577	1.39028E-06	0.002668122
1919.159962	61.912357	1.39728E-06	0.002681596
1919.199962	76.293778	1.72184E-06	0.003304564
1919.239962	101.233876	2.28471E-06	0.004384902
1919.279962	114.478163	2.58361E-06	0.004958676
1919.319962	107.845032	2.43391E-06	0.004671456
1919.359962	95.437463	2.15389E-06	0.004134091
1919.399962	87.226184	1.96857E-06	0.00377848
1919.439962	73.698925	1.66328E-06	0.00319257
1919.479962	64.969439	1.46627E-06	0.002814475
1919.519962	70.065286	1.58128E-06	0.003035291
1919.559962	77.260601	1.74366E-06	0.003347068
1919.599962	83.479776	1.88402E-06	0.003616569
1919.639962	71.673679	1.61758E-06	0.003105162
1919.679962	73.975865	1.66953E-06	0.003204968
1919.719962	67.009139	1.5123E-06	0.002903198
1919.759962	66.343351	1.49728E-06	0.002874412
1919.799962	70.049159	1.58091E-06	0.003035035
1919.839962	67.912665	1.53269E-06	0.002942528
1919.879962	56.528793	1.27578E-06	0.002449337
1919.919962	63.339556	1.42949E-06	0.002744498
1919.959962	73.70879	1.6635E-06	0.003193862
1919.999962	77.931831	1.75881E-06	0.003376921
1920.039962	79.887918	1.80296E-06	0.003461753
1920.079962	84.053004	1.89696E-06	0.003642313

1920.119962	80.345432	1.81328E-06	0.003481724
1920.159962	71.629972	1.61659E-06	0.003104109
1920.199962	59.680341	1.3469E-06	0.002586321
1920.239962	57.686299	1.3019E-06	0.002499959
1920.279962	63.779931	1.43942E-06	0.002764097
1920.319962	74.89922	1.69037E-06	0.003246053
1920.359962	67.761338	1.52928E-06	0.002936766
1920.399962	63.524878	1.43367E-06	0.002753216
1920.439962	61.442545	1.38667E-06	0.002663022
1920.479962	65.099493	1.4692E-06	0.002821579
1920.519962	60.885263	1.3741E-06	0.002638978
1920.559962	56.215521	1.26871E-06	0.002436626
1920.599962	64.250239	1.45004E-06	0.002784944
1920.639962	79.528785	1.79485E-06	0.003447268
1920.679962	85.253075	1.92404E-06	0.003695471
1920.719962	80.607206	1.81919E-06	0.003494159
1920.759962	85.983636	1.94053E-06	0.003727294
1920.799962	88.4337	1.99583E-06	0.003833581
1920.839962	86.226555	1.94601E-06	0.00373798
1920.879962	70.860491	1.59922E-06	0.003071915
1920.919962	66.205763	1.49417E-06	0.002870185
1920.959962	77.888295	1.75783E-06	0.003376722
1920.999962	84.803205	1.91389E-06	0.003676583
1921.039962	83.411516	1.88248E-06	0.003616323
1921.079962	71.268875	1.60844E-06	0.00308994
1921.119962	64.412666	1.4537E-06	0.00279274
1921.159962	62.319126	1.40646E-06	0.002702027
1921.199962	72.461565	1.63536E-06	0.003141847
1921.239962	83.219381	1.87815E-06	0.003608368
1921.279962	81.236896	1.8334E-06	0.003522482
1921.319962	81.461346	1.83847E-06	0.003532287
1921.359962	80.468333	1.81606E-06	0.003489302
1921.399962	75.788844	1.71045E-06	0.003286456
1921.439962	68.031916	1.53539E-06	0.002950151
1921.479962	66.866609	1.50909E-06	0.002899679
1921.519962	69.367876	1.56554E-06	0.003008209
1921.559962	78.718308	1.77656E-06	0.003413771
1921.599962	84.189524	1.90004E-06	0.003651117
1921.639962	65.084556	1.46887E-06	0.002822635
1921.679962	59.674278	1.34677E-06	0.002588052
1921.719962	69.701115	1.57306E-06	0.003022975
1921.759962	77.35075	1.7457E-06	0.003354814
1921.799962	75.607673	1.70636E-06	0.003279282
1921.839962	83.573616	1.88614E-06	0.003624859
1921.879962	87.44359	1.97348E-06	0.003792792
1921.919962	71.478636	1.61317E-06	0.00310039

1921.959962	55.600178	1.25482E-06	0.002411711
1921.999962	62.727071	1.41566E-06	0.002720904
1922.039962	81.600421	1.84161E-06	0.003539644
1922.079962	93.192862	2.10323E-06	0.004042582
1922.119962	90.222572	2.0362E-06	0.003913816
1922.159962	68.514374	1.54627E-06	0.002972186
1922.199962	50.084708	1.13034E-06	0.002172744
1922.239962	53.815428	1.21454E-06	0.002334636
1922.279962	69.661134	1.57215E-06	0.003022122
1922.319962	70.560759	1.59246E-06	0.003061214
1922.359962	64.457353	1.45471E-06	0.002796481
1922.399962	66.68847	1.50507E-06	0.002893339
1922.439962	62.025706	1.39983E-06	0.002691096
1922.479961	60.475903	1.36486E-06	0.00262391
1922.519961	58.626393	1.32312E-06	0.002543717
1922.559961	53.493694	1.20728E-06	0.002321065
1922.599961	63.42614	1.43144E-06	0.002752086
1922.639961	74.724783	1.68643E-06	0.003242406
1922.679961	72.685889	1.64042E-06	0.003154001
1922.719961	59.535093	1.34362E-06	0.002583413
1922.759961	43.83402	9.89273E-07	0.001902134
1922.799961	41.180574	9.29388E-07	0.001787028
1922.839961	57.371163	1.29479E-06	0.002489669
1922.879961	63.587155	1.43507E-06	0.002759474
1922.919961	48.626758	1.09744E-06	0.002110286
1922.959961	49.035242	1.10666E-06	0.002128057
1922.999961	60.357187	1.36218E-06	0.002619468
1923.039961	57.479578	1.29723E-06	0.002494633
1923.079961	59.74864	1.34844E-06	0.002593165
1923.119961	70.532234	1.59181E-06	0.00306125
1923.159961	73.603347	1.66113E-06	0.003194609
1923.199961	72.420849	1.63444E-06	0.00314335
1923.239961	84.428938	1.90544E-06	0.003664625
1923.279961	86.871635	1.96057E-06	0.003770728
1923.319961	84.016709	1.89614E-06	0.003646884
1923.359961	71.895392	1.62258E-06	0.003120803
1923.399961	63.717025	1.438E-06	0.002765858
1923.439961	63.401078	1.43087E-06	0.0027522
1923.479961	60.952318	1.37561E-06	0.002645956
1923.519961	59.329284	1.33898E-06	0.002575553
1923.559961	66.585159	1.50273E-06	0.0028906
1923.599961	77.406656	1.74696E-06	0.003360453
1923.639961	67.876365	1.53188E-06	0.002946776
1923.679961	62.229129	1.40442E-06	0.002701664
1923.719961	49.205496	1.1105E-06	0.00213629
1923.759961	40.480439	9.13587E-07	0.001757522

1923.799961	45.493997	1.02674E-06	0.001975235
1923.839961	55.46588	1.25179E-06	0.002408239
1923.879961	59.680777	1.34691E-06	0.002591297
1923.919961	63.403993	1.43094E-06	0.002753014
1923.959961	64.918055	1.46511E-06	0.002818813
1923.999961	65.996284	1.48944E-06	0.002865691
1924.039961	74.398411	1.67907E-06	0.003230595
1924.079961	71.597645	1.61586E-06	0.003109042
1924.119961	63.48108	1.43268E-06	0.002756647
1924.159961	73.417898	1.65694E-06	0.003188217
1924.199961	86.774436	1.95838E-06	0.003768311
1924.239961	90.944131	2.05248E-06	0.003949469
1924.279961	78.571237	1.77324E-06	0.003412217
1924.319961	69.902605	1.5776E-06	0.003035816
1924.359961	70.388043	1.58856E-06	0.003056961
1924.399961	68.193865	1.53904E-06	0.00296173
1924.439961	76.354601	1.72322E-06	0.003316228
1924.479961	76.194847	1.71961E-06	0.003309358
1924.519961	58.162127	1.31264E-06	0.002526198
1924.559961	44.40567	1.00217E-06	0.001928744
1924.599961	54.367298	1.22699E-06	0.002361473
1924.639961	58.916369	1.32966E-06	0.002559118
1924.679961	51.508978	1.16249E-06	0.002237413
1924.719961	64.412667	1.4537E-06	0.002797973
1924.759961	73.075266	1.64921E-06	0.003174328
1924.799961	71.042946	1.60334E-06	0.003086109
1924.839961	66.619733	1.50351E-06	0.002894025
1924.879961	64.469979	1.455E-06	0.002800696
1924.919961	63.354406	1.42982E-06	0.00275229
1924.959961	61.827697	1.39537E-06	0.002686022
1924.999961	60.33417	1.36166E-06	0.002621192
1925.039961	59.932237	1.35259E-06	0.002603784
1925.079961	60.465831	1.36463E-06	0.002627021
1925.119961	56.602798	1.27745E-06	0.002459237
1925.159961	50.560719	1.14109E-06	0.002196771
1925.199961	57.475688	1.29715E-06	0.002497266
1925.239961	65.115698	1.46957E-06	0.002829276
1925.279961	68.699632	1.55046E-06	0.00298506
1925.319961	70.912283	1.60039E-06	0.003081266
1925.359961	65.752987	1.48395E-06	0.002857144
1925.399961	53.500412	1.20743E-06	0.002324785
1925.439961	48.099201	1.08553E-06	0.002090127
1925.479961	47.068013	1.06226E-06	0.002045359
1925.519961	54.253802	1.22443E-06	0.00235767
1925.559961	67.473721	1.52279E-06	0.002932219
1925.599961	72.735175	1.64153E-06	0.003160933

1925.639961	56.996759	1.28634E-06	0.002477023
1925.679961	44.844369	1.01207E-06	0.001948932
1925.719961	44.696042	1.00873E-06	0.001942527
1925.759961	52.282545	1.17994E-06	0.002272289
1925.799961	52.8721	1.19325E-06	0.00229796
1925.839961	56.322382	1.27112E-06	0.002447969
1925.879961	64.647908	1.45901E-06	0.002809884
1925.919961	58.187039	1.3132E-06	0.002529119
1925.959961	54.644398	1.23325E-06	0.002375186
1925.999961	51.682469	1.1664E-06	0.002246489
1926.039961	51.668539	1.16609E-06	0.00224593
1926.079961	67.950139	1.53354E-06	0.002953721
1926.119961	77.883003	1.75771E-06	0.003385562
1926.159961	60.782915	1.37179E-06	0.002642279
1926.199961	51.852318	1.17023E-06	0.002254106
1926.239961	51.554964	1.16352E-06	0.002241226
1926.279961	53.789408	1.21395E-06	0.002338411
1926.319961	56.144868	1.26711E-06	0.002440862
1926.359961	67.224807	1.51717E-06	0.002922616
1926.399961	81.505654	1.83947E-06	0.003543553
1926.439961	80.426003	1.8151E-06	0.003496687
1926.479961	72.216425	1.62982E-06	0.003139824
1926.519961	58.057788	1.31028E-06	0.002524287
1926.559961	55.823573	1.25986E-06	0.002427196
1926.599961	60.800419	1.37218E-06	0.002643643
1926.639961	67.619907	1.52609E-06	0.00294022
1926.679961	62.528361	1.41118E-06	0.002718888
1926.719961	58.811822	1.3273E-06	0.002557337
1926.759961	74.612115	1.68389E-06	0.003244455
1926.799961	91.932259	2.07478E-06	0.003997692
1926.839961	82.402493	1.85971E-06	0.003583363
1926.879961	65.184908	1.47113E-06	0.002834696
1926.919961	69.529285	1.56918E-06	0.003023683
1926.959961	77.671538	1.75294E-06	0.003377842
1926.999961	75.326389	1.70001E-06	0.003275922
1927.039961	73.948918	1.66892E-06	0.003216083
1927.079961	65.33246	1.47446E-06	0.002841407
1927.119961	54.00574	1.21883E-06	0.00234884
1927.159961	54.051047	1.21986E-06	0.002350859
1927.199961	57.323082	1.2937E-06	0.002493223
1927.239961	65.662439	1.48191E-06	0.002855996
1927.279961	68.758894	1.55179E-06	0.002990739
1927.319961	73.715004	1.66364E-06	0.003206376
1927.359961	72.946006	1.64629E-06	0.003172993
1927.399961	63.798713	1.43985E-06	0.002775163
1927.439961	60.364262	1.36234E-06	0.002625823

1927.479961	59.728099	1.34798E-06	0.002598204
1927.519961	47.633181	1.07501E-06	0.002072112
1927.559961	43.963197	9.92188E-07	0.001912502
1927.599961	53.379809	1.20471E-06	0.002322195
1927.639961	69.589924	1.57055E-06	0.00302745
1927.679961	78.612282	1.77417E-06	0.003420031
1927.719961	80.490069	1.81655E-06	0.003501797
1927.759961	83.462949	1.88364E-06	0.003631211
1927.799961	72.404671	1.63407E-06	0.003150165
1927.839961	63.482289	1.43271E-06	0.002762029
1927.879961	70.643702	1.59433E-06	0.003073677
1927.919961	74.259747	1.67594E-06	0.003231076
1927.959961	66.893902	1.5097E-06	0.002910645
1927.999961	58.135645	1.31204E-06	0.002529614
1928.039961	50.238739	1.13382E-06	0.002186047
1928.079961	50.367971	1.13673E-06	0.002191716
1928.119961	52.67447	1.18879E-06	0.002292129
1928.159961	55.622039	1.25531E-06	0.002420442
1928.199961	62.677875	1.41455E-06	0.00272754
1928.239961	73.357448	1.65558E-06	0.003192347
1928.279961	89.867883	2.02819E-06	0.003910924
1928.319961	92.638519	2.09072E-06	0.004031582
1928.359961	85.734937	1.93492E-06	0.003731219
1928.399961	76.132032	1.71819E-06	0.003313365
1928.439961	78.266313	1.76636E-06	0.003406322
1928.479961	79.649181	1.79757E-06	0.00346658
1928.519961	70.045692	1.58083E-06	0.003048669
1928.559961	52.28668	1.18004E-06	0.002275773
1928.599961	46.368051	1.04646E-06	0.002018207
1928.639961	48.710913	1.09934E-06	0.002120226
1928.679961	47.455008	1.07099E-06	0.002065604
1928.719961	45.698311	1.03135E-06	0.00198918
1928.759961	47.067377	1.06225E-06	0.002048816
1928.799961	63.890167	1.44191E-06	0.00278116
1928.839961	75.877378	1.71245E-06	0.003303036
1928.879961	74.341694	1.67779E-06	0.003236253
1928.919961	84.24803	1.90136E-06	0.003667573
1928.959961	84.096958	1.89795E-06	0.003661072
1928.999961	73.898923	1.6678E-06	0.003217178
1929.039961	67.381038	1.5207E-06	0.002933484
1929.079961	66.084069	1.49143E-06	0.002877079
1929.119961	78.486945	1.77134E-06	0.003417129
1929.159961	77.233452	1.74305E-06	0.003362625
1929.199961	70.894562	1.59999E-06	0.003086704
1929.239961	89.497433	2.01983E-06	0.003896741
1929.279961	97.314528	2.19625E-06	0.004237188

1929.319961	85.240286	1.92375E-06	0.003711538
1929.359961	71.725869	1.61875E-06	0.003123157
1929.399961	64.684407	1.45984E-06	0.002816609
1929.439961	61.374768	1.38514E-06	0.00267255
1929.479961	60.085852	1.35605E-06	0.002616479
1929.519961	67.003355	1.51217E-06	0.002917767
1929.559961	76.209132	1.71993E-06	0.003318716
1929.599961	73.166272	1.65126E-06	0.003186273
1929.639961	49.816039	1.12428E-06	0.002169453
1929.679961	47.168784	1.06453E-06	0.002054209
1929.719961	61.450566	1.38685E-06	0.002676239
1929.759961	64.851214	1.4636E-06	0.0028244
1929.799961	68.199104	1.53916E-06	0.002970269
1929.839961	68.335597	1.54224E-06	0.002976275
1929.879961	59.346905	1.33938E-06	0.002584837
1929.919961	48.659273	1.09817E-06	0.002119384
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1929.999961	87.811358	1.98178E-06	0.003824835
1930.039961	87.374829	1.97193E-06	0.0038059
1930.079961	77.922788	1.75861E-06	0.003394256
1930.119961	72.465982	1.63546E-06	0.003156627
1930.159961	77.27985	1.7441E-06	0.003366389
1930.199961	73.701417	1.66334E-06	0.003210576
1930.239961	76.244866	1.72074E-06	0.003321442
1930.279961	77.921786	1.75859E-06	0.003394564
1930.319961	70.520552	1.59155E-06	0.003072202
1930.359961	73.628798	1.6617E-06	0.003207678
1930.399961	66.157235	1.49308E-06	0.002882235
1930.439961	54.674224	1.23392E-06	0.002382011
1930.479961	60.122266	1.35688E-06	0.002619422
1930.519961	72.481492	1.63581E-06	0.003157957
1930.559961	79.390837	1.79174E-06	0.003459063
1930.599961	81.701284	1.84388E-06	0.003559803
1930.639961	66.374769	1.49799E-06	0.002892072
1930.679961	71.622345	1.61642E-06	0.003120783
1930.719961	74.228976	1.67524E-06	0.003234428
1930.759961	65.201972	1.47152E-06	0.002841147
1930.799961	56.841063	1.28282E-06	0.002476876
1930.839961	53.093647	1.19825E-06	0.002313628
1930.879961	49.709502	1.12187E-06	0.002166204
1930.919961	53.797265	1.21413E-06	0.002344387
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1930.999961	59.605971	1.34522E-06	0.002597627
1931.039961	61.403223	1.38579E-06	0.002676007
1931.079961	56.115916	1.26646E-06	0.002445632
1931.119961	46.692313	1.05378E-06	0.002034976

1931.159961	52.93298	1.19462E-06	0.002307009
1931.199961	56.218365	1.26877E-06	0.002450249
1931.239961	60.001809	1.35416E-06	0.002615203
1931.279961	62.65314	1.41399E-06	0.002730818
1931.319961	63.891531	1.44194E-06	0.002784853
1931.359961	56.916585	1.28453E-06	0.002480886
1931.399961	55.192001	1.24561E-06	0.002405765
1931.439961	71.82723	1.62104E-06	0.003130942
1931.479961	94.135397	2.1245E-06	0.004103438
1931.519961	91.274956	2.05995E-06	0.003978832
1931.559961	83.616566	1.88711E-06	0.003645065
1931.599961	83.212552	1.87799E-06	0.003627528
1931.639961	73.50938	1.659E-06	0.003204599
1931.679961	71.413584	1.61171E-06	0.003113298
1931.719961	87.259923	1.96933E-06	0.003804204
1931.759961	98.191553	2.21605E-06	0.00428087
1931.799961	84.995066	1.91822E-06	0.003705618
1931.839961	60.809463	1.37238E-06	0.002651228
1931.879961	51.926204	1.1719E-06	0.002263974
1931.919961	63.946791	1.44319E-06	0.002788128
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1931.999961	63.849375	1.44099E-06	0.002783995
1932.039961	58.966915	1.3308E-06	0.002571161
1932.079961	67.232333	1.51734E-06	0.002931622
1932.119961	79.379626	1.79149E-06	0.003461369
1932.159961	85.228997	1.9235E-06	0.003716509
1932.199961	69.066385	1.55873E-06	0.003011782
1932.239961	60.822433	1.37268E-06	0.002652343
1932.279961	72.365954	1.6332E-06	0.003155797
1932.319961	67.737365	1.52874E-06	0.002954011
1932.359961	52.521704	1.18534E-06	0.002290507
1932.399961	44.872484	1.01271E-06	0.00195696
1932.439961	50.4399	1.13836E-06	0.002199809
1932.479961	54.664804	1.23371E-06	0.002384117
1932.519961	54.915503	1.23937E-06	0.0023951
1932.559961	49.159852	1.10947E-06	0.002144116
1932.599961	52.062661	1.17498E-06	0.00227077
1932.639961	58.432385	1.31874E-06	0.002548645
1932.679961	60.969174	1.37599E-06	0.002659347
1932.719961	61.743017	1.39345E-06	0.002693156
1932.759961	65.330486	1.47442E-06	0.002849696
1932.799961	78.714779	1.77648E-06	0.003433586
1932.839961	85.701023	1.93415E-06	0.003738408
1932.879961	79.588643	1.7962E-06	0.003471848
1932.919961	63.114714	1.42441E-06	0.002753273
1932.959961	61.501841	1.38801E-06	0.002682969

1932.999961	75.505883	1.70406E-06	0.003293953
1933.039961	73.73269	1.66404E-06	0.003216664
1933.079961	67.873506	1.53181E-06	0.002961112
1933.119961	72.819976	1.64345E-06	0.003176977
1933.159961	85.846327	1.93743E-06	0.003745366
1933.199961	78.510324	1.77187E-06	0.003425376
1933.239961	60.915707	1.37478E-06	0.002657785
1933.279961	57.762423	1.30362E-06	0.002520257
1933.319961	60.145149	1.35739E-06	0.002624274
1933.359961	63.683892	1.43726E-06	0.002778735
1933.399961	66.545718	1.50184E-06	0.002903665
1933.439961	67.068208	1.51364E-06	0.002926524
1933.479961	74.743682	1.68686E-06	0.003261512
1933.519961	73.459923	1.65789E-06	0.00320556
1933.559961	75.621127	1.70666E-06	0.003299936
1933.599961	76.218009	1.72013E-06	0.003326052
1933.639961	77.306493	1.7447E-06	0.003373621
1933.679961	73.420814	1.65701E-06	0.003204118
1933.719961	72.087599	1.62692E-06	0.003146001
1933.759961	69.568406	1.57006E-06	0.003036123
1933.799961	60.210446	1.35887E-06	0.002627775
1933.839961	61.8801	1.39655E-06	0.0027007
1933.879961	60.267354	1.36015E-06	0.002630367
1933.919961	54.418837	1.22816E-06	0.002375158
1933.959961	56.982288	1.28601E-06	0.002487094
1933.999961	60.007086	1.35428E-06	0.00261917
1934.039961	51.984985	1.17323E-06	0.002269071
1934.079961	47.288354	1.06723E-06	0.002064113
1934.119961	53.127568	1.19902E-06	0.002319039
1934.159961	56.203985	1.26845E-06	0.002453377
1934.199961	69.345267	1.56503E-06	0.003027073
1934.239961	73.817229	1.66595E-06	0.003222351
1934.279961	71.369708	1.61071E-06	0.003115574
1934.319961	55.802527	1.25939E-06	0.002436054
1934.359961	52.138311	1.17669E-06	0.00227614
1934.399961	64.253212	1.45011E-06	0.002805084
1934.439961	66.146222	1.49283E-06	0.002887786
1934.479961	67.498252	1.52334E-06	0.002946874
1934.519961	72.240388	1.63036E-06	0.003153974
1934.559961	74.945381	1.69141E-06	0.00327214
1934.599961	67.495795	1.52329E-06	0.002946949
1934.639961	69.891137	1.57735E-06	0.003051596
1934.679961	68.844616	1.55373E-06	0.003005965
1934.719961	56.523776	1.27566E-06	0.00246805
1934.759961	51.016693	1.15138E-06	0.002227636
1934.799961	50.691318	1.14403E-06	0.002213474

1934.839961	55.728546	1.25772E-06	0.002433479
1934.879961	64.43221	1.45415E-06	0.002813596
1934.919961	70.654691	1.59458E-06	0.003085381
1934.959961	80.188484	1.80974E-06	0.003501779
1934.999961	83.941246	1.89444E-06	0.003665736
1935.039961	75.23596	1.69797E-06	0.003285641
1935.079961	73.389189	1.65629E-06	0.003205057
1935.119961	67.816214	1.53052E-06	0.002961735
1935.159961	57.38994	1.29521E-06	0.00250644
1935.199961	61.748002	1.39357E-06	0.00269683
1935.239961	81.781527	1.8457E-06	0.003571863
1935.279961	77.502962	1.74913E-06	0.003385064
1935.319961	56.370072	1.27219E-06	0.002462102
1935.359961	47.484063	1.07165E-06	0.002074027
1935.399961	52.055693	1.17482E-06	0.002273755
1935.439961	51.273523	1.15717E-06	0.002239637
1935.479961	50.759106	1.14556E-06	0.002217213
1935.519961	53.298888	1.20288E-06	0.002328201
1935.559961	57.561747	1.29909E-06	0.002514464
1935.599961	55.270277	1.24737E-06	0.002414415
1935.639961	56.073552	1.2655E-06	0.002449556
1935.679961	54.371509	1.22709E-06	0.002375252
1935.719961	56.79066	1.28169E-06	0.002480985
1935.759961	57.07846	1.28818E-06	0.00249361
1935.799961	70.003388	1.57988E-06	0.00305833
1935.839961	83.019258	1.87363E-06	0.003627046
1935.879961	80.524877	1.81733E-06	0.003518141
1935.919961	85.779733	1.93593E-06	0.003747804
1935.959961	78.340069	1.76803E-06	0.003422828
1935.999961	65.229878	1.47215E-06	0.002850077
1936.039961	58.654546	1.32375E-06	0.002562836
1936.079961	54.751291	1.23566E-06	0.002392337
1936.119961	66.935565	1.51064E-06	0.002924785
1936.159961	72.187537	1.62917E-06	0.003154338
1936.199961	59.969063	1.35342E-06	0.002620488
1936.239961	56.267166	1.26987E-06	0.002458776
1936.279961	54.448884	1.22884E-06	0.002379369
1936.319961	54.27849	1.22499E-06	0.002371972
1936.359961	49.53277	1.11789E-06	0.002164629
1936.399961	52.472605	1.18423E-06	0.00229315
1936.439961	58.879416	1.32883E-06	0.002573193
1936.479961	61.734755	1.39327E-06	0.002698034
1936.519961	73.458501	1.65786E-06	0.003210471
1936.559961	74.371768	1.67847E-06	0.003250452
1936.599961	59.741951	1.34829E-06	0.002611103
1936.639961	53.315665	1.20326E-06	0.002330282

1936.679961	64.614256	1.45825E-06	0.002824171
1936.719961	62.919624	1.42001E-06	0.002750158
1936.759961	58.534774	1.32105E-06	0.002558553
1936.799961	57.635953	1.30076E-06	0.002519318
1936.839961	53.266866	1.20216E-06	0.00232839
1936.879961	60.468094	1.36468E-06	0.002643223
1936.919961	75.876982	1.71244E-06	0.003316855
1936.959961	68.992835	1.55707E-06	0.003015986
1936.999961	58.233482	1.31425E-06	0.002545699
1937.039961	45.908871	1.0361E-06	0.002006966
1937.079961	34.762044	7.84531E-07	0.001519699
1937.119961	38.749926	8.74532E-07	0.001694073
1937.159961	48.373706	1.09173E-06	0.00211485
1937.199961	57.812651	1.30475E-06	0.002527564
1937.239961	60.616676	1.36803E-06	0.00265021
1937.279961	62.248596	1.40486E-06	0.002721615
1937.319961	62.141122	1.40244E-06	0.002716972
1937.359961	65.576852	1.47998E-06	0.002867251
1937.399961	61.108941	1.37914E-06	0.002671953
1937.439961	51.137559	1.1541E-06	0.002236006
1937.479961	54.594722	1.23213E-06	0.002387221
1937.519961	61.198813	1.38117E-06	0.002676048
1937.559961	74.604351	1.68372E-06	0.003262301
1937.599961	74.276646	1.67632E-06	0.003248038
1937.639961	78.593125	1.77374E-06	0.003436864
1937.679961	74.856506	1.68941E-06	0.00327353
1937.719961	66.004447	1.48963E-06	0.002886483
1937.759961	64.383778	1.45305E-06	0.002815666
1937.799961	62.809223	1.41752E-06	0.002746864
1937.839961	66.342058	1.49725E-06	0.002901427
1937.879961	65.487352	1.47796E-06	0.002864106
1937.919961	58.768236	1.32632E-06	0.002570297
1937.959961	56.225597	1.26893E-06	0.002459142
1937.999961	58.158711	1.31256E-06	0.002543743
1938.039961	60.479006	1.36493E-06	0.002645283
1938.079961	59.469653	1.34215E-06	0.002601189
1938.119961	58.827376	1.32765E-06	0.002573149
1938.159961	63.885814	1.44181E-06	0.002794466
1938.199961	71.673305	1.61757E-06	0.003135168
1938.239961	72.306352	1.63185E-06	0.003162924
1938.279961	70.837417	1.5987E-06	0.003098732
1938.319961	70.383423	1.58846E-06	0.003078936
1938.359961	68.178468	1.53869E-06	0.002982541
1938.399961	66.999608	1.51209E-06	0.002931031
1938.439961	58.676234	1.32424E-06	0.002566961
1938.479961	62.357481	1.40732E-06	0.002728065

1938.519961	71.170834	1.60623E-06	0.003113702
1938.559961	81.671618	1.84321E-06	0.003573182
1938.599961	82.596829	1.8641E-06	0.003613735
1938.639961	70.096688	1.58198E-06	0.003066899
1938.679961	58.355084	1.31699E-06	0.002553228
1938.719961	59.177493	1.33555E-06	0.002589264
1938.759961	64.304104	1.45125E-06	0.002813633
1938.799961	61.524474	1.38852E-06	0.002692066
1938.839961	67.017709	1.5125E-06	0.002932488
1938.879961	75.13411	1.69567E-06	0.003287705
1938.919961	71.854019	1.62165E-06	0.00314424
1938.959961	60.52373	1.36594E-06	0.002648496
1938.999961	60.881022	1.374E-06	0.002664186
1939.039961	59.416642	1.34095E-06	0.002600157
1939.079961	60.369741	1.36246E-06	0.002641921
1939.119961	54.64772	1.23332E-06	0.002391561
1939.159961	39.964854	9.01951E-07	0.001749027
1939.199961	38.462792	8.68052E-07	0.001683326
1939.239961	49.544164	1.11814E-06	0.002168347
1939.279961	61.236339	1.38202E-06	0.002680122
1939.319961	69.278823	1.56353E-06	0.003032178
1939.359961	69.518071	1.56893E-06	0.003042712
1939.399961	70.301297	1.5866E-06	0.003077057
1939.439961	80.740134	1.82219E-06	0.003534033
1939.479961	82.012012	1.8509E-06	0.003589777
1939.519961	68.038068	1.53552E-06	0.00297818
1939.559961	58.33751	1.3166E-06	0.002553618
1939.599961	68.854508	1.55395E-06	0.003014042
1939.639961	76.367156	1.7235E-06	0.00334297
1939.679961	73.587076	1.66076E-06	0.003221339
1939.719961	70.049523	1.58092E-06	0.003066542
1939.759961	70.294916	1.58646E-06	0.003077348
1939.799961	72.804131	1.64309E-06	0.003187262
1939.839961	76.699656	1.731E-06	0.003357872
1939.879961	92.610246	2.09008E-06	0.004054513
1939.919961	79.378286	1.79146E-06	0.003475284
1939.959961	57.041093	1.28734E-06	0.002497384
1939.999961	45.957111	1.03719E-06	0.002012145
1940.039961	52.158252	1.17714E-06	0.002283697
1940.079961	77.207359	1.74246E-06	0.003380517
1940.119961	85.736726	1.93496E-06	0.003754052
1940.159961	86.245824	1.94645E-06	0.003776421
1940.199961	78.821633	1.77889E-06	0.003451411
1940.239961	75.685601	1.70812E-06	0.00331416
1940.279961	74.794953	1.68802E-06	0.003275227
1940.319961	71.79205	1.62025E-06	0.003143797

1940.359961	66.298209	1.49626E-06	0.00290328
1940.399961	65.109834	1.46944E-06	0.002851298
1940.439961	70.69587	1.59551E-06	0.003095986
1940.479961	72.434443	1.63474E-06	0.003172189
1940.519961	71.601261	1.61594E-06	0.003135765
1940.559961	70.281915	1.58616E-06	0.003078048
1940.599961	64.631869	1.45865E-06	0.002830659
1940.639961	57.665479	1.30143E-06	0.002525606
1940.679961	67.149177	1.51546E-06	0.002941029
1940.719961	77.140384	1.74095E-06	0.003378698
1940.759961	78.65927	1.77523E-06	0.003445296
1940.799961	66.414739	1.49889E-06	0.002909042
1940.839961	58.740059	1.32568E-06	0.002572935
1940.879961	60.100543	1.35639E-06	0.002632582
1940.919961	70.785451	1.59753E-06	0.003100676
1940.959961	69.830541	1.57598E-06	0.00305891
1940.999961	57.623164	1.30047E-06	0.002524221
1941.039961	52.396862	1.18252E-06	0.002295327
1941.079961	58.191413	1.3133E-06	0.002549219
1941.119961	56.483902	1.27476E-06	0.002474468
1941.159961	55.271221	1.24739E-06	0.002421392
1941.199961	54.829116	1.23742E-06	0.002402073
1941.239961	53.142538	1.19935E-06	0.002328232
1941.279961	64.178603	1.44842E-06	0.002811792
1941.319961	77.46951	1.74838E-06	0.003394163
1941.359961	77.630468	1.75201E-06	0.003401285
1941.399961	75.480955	1.7035E-06	0.003307175
1941.439961	71.857039	1.62171E-06	0.003148459
1941.479961	60.776208	1.37163E-06	0.002663001
1941.519961	55.480918	1.25213E-06	0.00243103
1941.559961	66.203396	1.49412E-06	0.002900921
1941.599961	68.936151	1.55579E-06	0.003020727
1941.639961	63.930626	1.44283E-06	0.002801447
1941.679961	64.18945	1.44867E-06	0.002812847
1941.719961	58.26752	1.31502E-06	0.002553394
1941.759961	57.553761	1.29891E-06	0.002522168
1941.799961	51.978135	1.17307E-06	0.002277875
1941.839961	53.67367	1.21134E-06	0.002352228
1941.879961	56.43454	1.27365E-06	0.002473273
1941.919961	51.185865	1.15519E-06	0.002243294
1941.959961	53.520426	1.20788E-06	0.002345657
1941.999961	57.209436	1.29114E-06	0.002507389
1942.039961	54.248126	1.2243E-06	0.002377649
1942.079961	62.399729	1.40827E-06	0.002734983
1942.119961	70.252122	1.58549E-06	0.003079217
1942.159961	74.712341	1.68615E-06	0.00327478

1942.199961	87.65723	1.9783E-06	0.003842257
1942.239961	82.918268	1.87135E-06	0.00363461
1942.279961	73.106593	1.64991E-06	0.003204595
1942.319961	71.532291	1.61438E-06	0.003135651
1942.359961	76.333204	1.72273E-06	0.00334617
1942.399961	78.943999	1.78166E-06	0.003460689
1942.439961	70.411409	1.58909E-06	0.003086707
1942.479961	66.728911	1.50598E-06	0.002925333
1942.519961	63.796257	1.43979E-06	0.002796826
1942.559961	68.569912	1.54753E-06	0.003006165
1942.599961	60.438517	1.36401E-06	0.002649732
1942.639961	42.260807	9.53768E-07	0.001852827
1942.679961	35.699915	8.05697E-07	0.001565212
1942.719961	37.407048	8.44225E-07	0.001640093
1942.759961	42.07589	9.49594E-07	0.001844834
1942.799961	50.146173	1.13173E-06	0.002198724
1942.839961	60.369754	1.36246E-06	0.002647044
1942.879961	58.443745	1.31899E-06	0.002562647
1942.919961	58.497649	1.32021E-06	0.002565063
1942.959961	59.361758	1.33971E-06	0.002603007
1942.999961	51.645326	1.16556E-06	0.002264689
1943.039961	48.488003	1.09431E-06	0.002126282
1943.079961	53.608184	1.20986E-06	0.002350859
1943.119961	57.191785	1.29074E-06	0.002508061
1943.159961	62.054265	1.40048E-06	0.002721353
1943.199961	70.113844	1.58237E-06	0.003074865
1943.239961	66.043475	1.49051E-06	0.002896417
1943.279961	62.375664	1.40773E-06	0.002735617
1943.319961	67.579348	1.52517E-06	0.002963897
1943.359961	71.961965	1.62408E-06	0.003156175
1943.399961	75.270271	1.69875E-06	0.003301341
1943.439961	72.796963	1.64293E-06	0.003192928
1943.479961	64.16111	1.44803E-06	0.002814211
1943.519961	54.823042	1.23728E-06	0.002404678
1943.559961	51.181137	1.15509E-06	0.002244981
1943.599961	51.246773	1.15657E-06	0.002247906
1943.639961	45.397552	1.02456E-06	0.001991375
1943.679961	37.816373	8.53463E-07	0.001658859
1943.719961	35.899994	8.10213E-07	0.001574827
1943.759961	48.417325	1.09271E-06	0.002123969
1943.799961	65.954006	1.48849E-06	0.002893327
1943.839961	66.957528	1.51114E-06	0.002937411
1943.879961	55.987534	1.26356E-06	0.00245621
1943.919961	41.838903	9.44246E-07	0.001835538
1943.959961	49.947145	1.12724E-06	0.002191305
1943.999961	65.409395	1.4762E-06	0.002869731

1944.039961	69.523525	1.56905E-06	0.003050294
1944.079961	62.038369	1.40012E-06	0.002721944
1944.119961	53.165352	1.19987E-06	0.002332687
1944.159961	42.412251	9.57185E-07	0.001860922
1944.199961	49.779115	1.12345E-06	0.002184202
1944.239961	72.102075	1.62724E-06	0.003163752
1944.279961	78.630735	1.77459E-06	0.003450292
1944.319961	66.101108	1.49181E-06	0.002900556
1944.359961	62.015072	1.39959E-06	0.002721314
1944.399961	64.383353	1.45304E-06	0.002825296
1944.439961	60.407614	1.36332E-06	0.002650886
1944.479961	56.829383	1.28256E-06	0.002493912
1944.519961	52.574635	1.18654E-06	0.002307243
1944.559961	61.109617	1.37916E-06	0.002681857
1944.599961	69.273045	1.5634E-06	0.00304018
1944.639961	53.309938	1.20313E-06	0.002339657
1944.679961	35.747139	8.06763E-07	0.001568896
1944.719961	42.879969	9.67741E-07	0.001881986
1944.759961	53.234716	1.20143E-06	0.0023365
1944.799961	56.174559	1.26778E-06	0.002465582
1944.839961	52.729276	1.19003E-06	0.002314411
1944.879961	58.037736	1.30983E-06	0.002547464
1944.919961	67.467135	1.52264E-06	0.002961411
1944.959961	75.54841	1.70502E-06	0.0033162
1944.999961	71.326417	1.60974E-06	0.00313094
1945.039961	59.391466	1.34038E-06	0.002607098
1945.079961	53.827154	1.2148E-06	0.002362891
1945.119961	70.809333	1.59807E-06	0.003108434
1945.159961	77.511476	1.74933E-06	0.003402719
1945.199961	63.977889	1.44389E-06	0.002808658
1945.239961	53.764614	1.21339E-06	0.002360339
1945.279961	70.039408	1.58069E-06	0.003074888
1945.319961	83.41851	1.88264E-06	0.003662336
1945.359961	79.465405	1.79342E-06	0.003488854
1945.399961	74.239802	1.67549E-06	0.003259496
1945.439961	64.848756	1.46355E-06	0.002847241
1945.479961	54.081161	1.22054E-06	0.002374529
1945.519961	43.858424	9.89824E-07	0.001925721
1945.559961	45.726297	1.03198E-06	0.002007777
1945.599961	62.24978	1.40489E-06	0.002733356
1945.639961	76.156417	1.71874E-06	0.003344058
1945.679961	73.314278	1.6546E-06	0.003219324
1945.719961	62.567651	1.41206E-06	0.002747483
1945.759961	58.298997	1.31573E-06	0.002560089
1945.799961	55.237939	1.24664E-06	0.002425719
1945.839961	59.53432	1.34361E-06	0.002614444

1945.879961	66.199985	1.49404E-06	0.002907225
1945.919961	70.801912	1.5979E-06	0.003109387
1945.959961	78.829613	1.77907E-06	0.003462008
1945.999961	80.165359	1.80922E-06	0.003520743
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1946.079961	59.524095	1.34338E-06	0.002614317
1946.119961	55.929752	1.26226E-06	0.002456503
1946.159961	58.355552	1.317E-06	0.0025631
1946.199961	67.136062	1.51517E-06	0.002948819
1946.239961	61.59661	1.39015E-06	0.002705565
1946.279961	59.95228	1.35304E-06	0.002633394
1946.319961	73.030295	1.64819E-06	0.003207909
1946.359961	82.285719	1.85707E-06	0.003614535
1946.399961	88.167994	1.98983E-06	0.003873003
1946.439961	77.802961	1.7559E-06	0.003417763
1946.479961	59.644515	1.34609E-06	0.002620144
1946.519961	50.566969	1.14123E-06	0.002221419
1946.559961	50.939662	1.14964E-06	0.002237838
1946.599961	50.772653	1.14587E-06	0.002230547
1946.639961	51.116874	1.15364E-06	0.002245715
1946.679961	54.94619	1.24006E-06	0.002413998
1946.719961	57.383122	1.29506E-06	0.002521114
1946.759961	62.877492	1.41906E-06	0.002762564
1946.799961	74.121451	1.67282E-06	0.003256642
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1946.879961	57.448708	1.29654E-06	0.002524203
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1946.999961	56.27143	1.26997E-06	0.002472627
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1947.079961	50.004449	1.12853E-06	0.00219734
1947.119961	43.101792	9.72747E-07	0.001894056
1947.159961	43.482845	9.81347E-07	0.00191084
1947.199961	55.304895	1.24815E-06	0.002430406
1947.239961	60.995851	1.37659E-06	0.002680554
1947.279961	62.828469	1.41795E-06	0.002761148
1947.319961	80.590744	1.81882E-06	0.003541826
1947.359961	83.237338	1.87855E-06	0.003658215
1947.399961	76.71734	1.7314E-06	0.003371735
1947.439961	66.6836	1.50496E-06	0.002930811
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1947.559961	37.440706	8.44985E-07	0.001645658
1947.599961	43.557047	9.83022E-07	0.001914533
1947.639961	50.673553	1.14363E-06	0.002227382
1947.679961	50.834529	1.14726E-06	0.002234504

1947.719961	55.811375	1.25958E-06	0.002453319
1947.759961	59.118699	1.33423E-06	0.002598753
1947.799961	44.391556	1.00186E-06	0.001951414
1947.839961	35.369401	7.98238E-07	0.00155484
1947.879961	40.918223	9.23467E-07	0.001798803
1947.919961	43.359149	9.78556E-07	0.001906148
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1948.039961	42.058145	9.49194E-07	0.001849067
1948.079961	55.492834	1.2524E-06	0.002439767
1948.119961	63.620831	1.43583E-06	0.002797176
1948.159961	51.141821	1.1542E-06	0.002248566
1948.199961	40.94812	9.24142E-07	0.001800413
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1948.279961	41.736032	9.41924E-07	0.001835132
1948.319961	42.838383	9.66803E-07	0.001883641
1948.359961	49.49138	1.11695E-06	0.002176224
1948.399961	56.418853	1.27329E-06	0.002480888
1948.439961	54.289454	1.22524E-06	0.002387301
1948.479961	51.541883	1.16323E-06	0.002266527
1948.519961	53.869491	1.21576E-06	0.002368931
1948.559961	59.302878	1.33838E-06	0.00260792
1948.599961	57.949137	1.30783E-06	0.00254844
1948.639961	56.336897	1.27145E-06	0.002477589
1948.679961	63.92891	1.44279E-06	0.002811529
1948.719961	60.388943	1.36289E-06	0.002655899
1948.759961	71.687928	1.6179E-06	0.003152892
1948.799961	91.508575	2.06522E-06	0.004024703
1948.839961	86.833414	1.95971E-06	0.00381916
1948.879961	76.852824	1.73446E-06	0.003380257
1948.919961	77.153664	1.74125E-06	0.003393558
1948.959961	78.785862	1.77809E-06	0.003465421
1948.999961	75.547954	1.70501E-06	0.003323069
1949.039961	63.683991	1.43726E-06	0.002801275
1949.079961	62.098594	1.40148E-06	0.002731594
1949.119961	66.987485	1.51181E-06	0.002946707
1949.159961	65.515377	1.47859E-06	0.00288201
1949.199961	60.237604	1.35948E-06	0.002649896
1949.239961	54.319493	1.22592E-06	0.002389603
1949.279961	56.871967	1.28352E-06	0.002501942
1949.319961	52.382533	1.1822E-06	0.002304488
1949.359961	52.085203	1.17549E-06	0.002291454
1949.399961	52.541087	1.18578E-06	0.002311558
1949.439961	51.328479	1.15841E-06	0.002258255
1949.479961	55.267572	1.24731E-06	0.00243161
1949.519961	56.187252	1.26807E-06	0.002472124

1949.559961	55.361657	1.24944E-06	0.002435849
1949.599961	60.214333	1.35895E-06	0.002649416
1949.639961	73.234926	1.65281E-06	0.003222385
1949.679961	72.56568	1.63771E-06	0.003193003
1949.719961	63.613248	1.43566E-06	0.00279914
1949.759961	50.864243	1.14794E-06	0.002238198
1949.799961	47.070683	1.06232E-06	0.002071311
1949.839961	57.935662	1.30753E-06	0.002549469
1949.879961	71.575302	1.61535E-06	0.003149748
1949.919961	72.246142	1.63049E-06	0.003179334
1949.959961	56.83306	1.28264E-06	0.002501102
1949.999961	68.365726	1.54292E-06	0.003008692
1950.039961	84.076212	1.89748E-06	0.003700168
1950.079961	91.066225	2.05524E-06	0.004007878
1950.119961	74.144518	1.67334E-06	0.003263211
1950.159961	63.368669	1.43014E-06	0.002789007
1950.199961	71.654144	1.61713E-06	0.003153735
1950.239961	83.633091	1.88748E-06	0.003681044
1950.279961	83.880568	1.89307E-06	0.003692012
1950.319961	64.449565	1.45454E-06	0.002836812
1950.359961	46.129544	1.04108E-06	0.00203048
1950.399961	55.197253	1.24573E-06	0.002429662
1950.439961	73.450501	1.65768E-06	0.003233197
1950.479961	68.467319	1.54521E-06	0.003013905
1950.519961	60.99903	1.37666E-06	0.002685209
1950.559961	68.495442	1.54585E-06	0.003015267
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1950.639961	65.625095	1.48107E-06	0.002889028
1950.679961	72.168551	1.62874E-06	0.003177158
1950.719961	79.135936	1.78599E-06	0.003483962
1950.759961	88.515376	1.99767E-06	0.003896972
1950.799961	79.893538	1.80309E-06	0.00351746
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1950.879961	61.399993	1.38571E-06	0.002703358
1950.919961	61.809028	1.39494E-06	0.002721423
1950.959961	65.46355	1.47742E-06	0.002882389
1950.999961	53.401628	1.2052E-06	0.002351346
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1951.119961	49.70399	1.12175E-06	0.002188668
1951.159961	48.501392	1.09461E-06	0.002135757
1951.199961	60.000442	1.35413E-06	0.002642171
1951.239961	71.925312	1.62325E-06	0.003167358
1951.279961	73.700374	1.66331E-06	0.003245593
1951.319961	61.328615	1.3841E-06	0.002700825
1951.359961	59.465503	1.34205E-06	0.00261883

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1951.479961	80.498318	1.81673E-06	0.003545322
1951.519961	78.286774	1.76682E-06	0.003447991
1951.559961	60.674093	1.36933E-06	0.002672329
1951.599961	50.488824	1.13946E-06	0.002223775
1951.639961	56.033148	1.26459E-06	0.002468025
1951.679961	57.389731	1.29521E-06	0.002527828
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1951.759961	46.333972	1.04569E-06	0.002040942
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1951.839961	58.101074	1.31126E-06	0.00255937
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1952.039961	67.634727	1.52642E-06	0.002979636
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1952.119961	69.830864	1.57599E-06	0.003076512
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1952.439961	40.547182	9.15093E-07	0.001786665
1952.479961	56.243998	1.26935E-06	0.002478378
1952.519961	59.220557	1.33653E-06	0.002609593
1952.559961	49.845092	1.12493E-06	0.002196502
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1952.639961	58.703014	1.32485E-06	0.002586946
1952.679961	68.733193	1.55121E-06	0.003029021
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1952.759961	76.836663	1.7341E-06	0.003386274
1952.799961	68.69706	1.5504E-06	0.003027615
1952.839961	68.237648	1.54003E-06	0.00300743
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1953.199961	64.201017	1.44893E-06	0.002830045

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1953.279961	53.136959	1.19923E-06	0.002342426
1953.319961	53.619525	1.21012E-06	0.002363748
1953.359961	65.702199	1.48281E-06	0.002896456
1953.399961	69.426272	1.56685E-06	0.003060693
1953.439961	79.540446	1.79512E-06	0.003506653
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1953.519961	74.770402	1.68746E-06	0.003296494
1953.559961	57.011508	1.28667E-06	0.002513588
1953.599961	56.456899	1.27415E-06	0.002489186
1953.639961	64.081751	1.44624E-06	0.002825424
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1953.719961	42.240487	9.53309E-07	0.001862499
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1954.199961	57.835519	1.30527E-06	0.002550753
1954.239961	58.205647	1.31362E-06	0.002567129
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1954.839961	67.930879	1.53311E-06	0.002996976
1954.879961	63.78694	1.43958E-06	0.002814211
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1961.119961	42.257219	9.53687E-07	0.001870294
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1961.199961	54.094275	1.22083E-06	0.002394297
1961.239961	50.146296	1.13173E-06	0.002219598
1961.279961	59.065808	1.33303E-06	0.002614451
1961.319961	75.273499	1.69882E-06	0.003331926
1961.359961	87.879778	1.98332E-06	0.003890013
1961.399961	82.094105	1.85275E-06	0.003633983
1961.439961	73.31453	1.65461E-06	0.003245412
1961.479961	79.820779	1.80144E-06	0.003533496
1961.519961	70.960099	1.60147E-06	0.003141317
1961.559961	60.317594	1.36128E-06	0.00267024
1961.599961	58.873135	1.32868E-06	0.002606348
1961.639961	58.72438	1.32533E-06	0.002599815
1961.679961	63.915533	1.44248E-06	0.002829693
1961.719961	77.124301	1.74059E-06	0.003414546
1961.759961	79.16206	1.78658E-06	0.003504836
1961.799961	76.072266	1.71685E-06	0.003368107
1961.839961	81.048342	1.82915E-06	0.003588496
1961.879961	76.818265	1.73368E-06	0.003401274
1961.919961	73.119696	1.65021E-06	0.003237579
1961.959961	73.221622	1.65251E-06	0.003242158
1961.999961	76.936408	1.73635E-06	0.003406714
1962.039961	75.324996	1.69998E-06	0.003335429
1962.079961	59.153371	1.33501E-06	0.002619395
1962.119961	53.529412	1.20808E-06	0.002370406
1962.159961	60.230366	1.35932E-06	0.002667194
1962.199961	53.788074	1.21392E-06	0.002381958
1962.239961	54.163397	1.22239E-06	0.002398627
1962.279961	57.935945	1.30753E-06	0.002565747
1962.319961	59.441424	1.34151E-06	0.002632472
1962.359961	69.761986	1.57443E-06	0.0030896
1962.399961	86.142247	1.94411E-06	0.003815122

1962.439961	89.931157	2.02962E-06	0.003983009
1962.479961	67.32267	1.51938E-06	0.002981751
1962.519961	58.273409	1.31515E-06	0.002581007
1962.559961	56.123312	1.26662E-06	0.002485827
1962.599961	61.685457	1.39215E-06	0.002732243
1962.639961	69.764204	1.57448E-06	0.003090139
1962.679961	61.580443	1.38978E-06	0.002727703
1962.719961	40.268622	9.08807E-07	0.001783733
1962.759961	34.858907	7.86717E-07	0.001544137
1962.799961	51.519952	1.16273E-06	0.002282213
1962.839961	51.71718	1.16718E-06	0.002290997
1962.879961	44.444098	1.00304E-06	0.00196885
1962.919961	46.74429	1.05495E-06	0.002070789
1962.959961	67.679152	1.52742E-06	0.002998273
1962.999961	80.609611	1.81925E-06	0.003571181
1963.039961	87.833995	1.98229E-06	0.003891316
1963.079961	84.75316	1.91276E-06	0.003754902
1963.119961	74.162164	1.67374E-06	0.003285746
1963.159961	67.744274	1.52889E-06	0.003001463
1963.199961	67.983903	1.5343E-06	0.003012142
1963.239961	75.712912	1.70873E-06	0.003354657
1963.279961	100.06822	2.2584E-06	0.004433872
1963.319961	106.801377	2.41036E-06	0.004732305
1963.359961	111.911673	2.52569E-06	0.00495884
1963.399961	110.926358	2.50345E-06	0.00491528
1963.439961	116.150708	2.62136E-06	0.005146882
1963.479961	119.287088	2.69214E-06	0.00528597
1963.519961	111.050696	2.50626E-06	0.004921091
1963.559961	103.093628	2.32668E-06	0.004568575
1963.599961	109.231136	2.46519E-06	0.004840656
1963.639961	110.964149	2.50431E-06	0.004917556
1963.679961	101.628811	2.29362E-06	0.004503937
1963.719961	95.232338	2.14926E-06	0.004220547
1963.759961	91.71063	2.06978E-06	0.004064553
1963.799961	88.547707	1.9984E-06	0.003924455
1963.839961	82.438112	1.86051E-06	0.00365375
1963.879961	65.391475	1.47579E-06	0.002898283
1963.919961	62.443607	1.40927E-06	0.002767684
1963.959961	65.813851	1.48533E-06	0.002917123
1963.999961	68.418256	1.5441E-06	0.003032622
1964.039961	59.915574	1.35221E-06	0.002655797
1964.079961	49.050075	1.10699E-06	0.002174221
1964.119961	58.106783	1.31139E-06	0.002575726
1964.159961	75.376669	1.70115E-06	0.003341324
1964.199961	89.732838	2.02515E-06	0.00397779
1964.239961	85.621478	1.93236E-06	0.003795614

1964.279961	75.164489	1.69636E-06	0.003332122
1964.319961	73.113322	1.65007E-06	0.003241257
1964.359961	78.309995	1.76735E-06	0.003471707
1964.399961	98.821073	2.23025E-06	0.004381111
1964.439961	116.316819	2.62511E-06	0.005156868
1964.479961	113.053282	2.55146E-06	0.005012282
1964.519961	110.865301	2.50208E-06	0.004915377
1964.559961	120.620766	2.72224E-06	0.005348009
1964.599961	117.450375	2.65069E-06	0.005207548
1964.639961	98.759558	2.22887E-06	0.004378919
1964.679961	77.100973	1.74006E-06	0.003418664
1964.719961	66.842867	1.50855E-06	0.002963879
1964.759961	65.422599	1.4765E-06	0.002900962
1964.799961	71.788174	1.62016E-06	0.003183289
1964.839961	89.945125	2.02994E-06	0.0039885
1964.879961	102.009706	2.30222E-06	0.00452358
1964.919961	91.470001	2.06435E-06	0.004056284
1964.959961	70.290398	1.58636E-06	0.003117127
1964.999961	54.483022	1.22961E-06	0.002416176
1965.039961	47.705731	1.07665E-06	0.002115664
1965.079961	49.344429	1.11364E-06	0.002188382
1965.119961	51.884784	1.17097E-06	0.002301091
1965.159961	60.542677	1.36636E-06	0.002685124
1965.199961	74.833499	1.68889E-06	0.003319002
1965.239961	72.35055	1.63285E-06	0.003208944
1965.279961	74.170161	1.67392E-06	0.003289716
1965.319961	86.037134	1.94174E-06	0.003816137
1965.359961	87.348915	1.97134E-06	0.003874399
1965.399961	81.736295	1.84467E-06	0.003625523
1965.439961	79.104347	1.78527E-06	0.003508851
1965.479961	80.045537	1.80652E-06	0.003550672
1965.519961	74.466982	1.68062E-06	0.003303284
1965.559961	63.21182	1.4266E-06	0.002804073
1965.599961	66.983553	1.51173E-06	0.002971448
1965.639961	69.66379	1.57221E-06	0.003090408
1965.679961	62.269805	1.40534E-06	0.002762454
1965.719961	58.430669	1.3187E-06	0.002592193
1965.759961	49.735526	1.12246E-06	0.00220649
1965.799961	45.962041	1.0373E-06	0.002039123
1965.839961	50.302555	1.13526E-06	0.002231737
1965.879961	52.135542	1.17663E-06	0.002313107
1965.919961	59.204265	1.33616E-06	0.002626779
1965.959961	68.10652	1.53707E-06	0.003021817
1965.999961	61.982844	1.39887E-06	0.002750171
1966.039961	56.46845	1.27441E-06	0.002505549
1966.079961	53.054782	1.19737E-06	0.00235413

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1966.159961	55.082267	1.24313E-06	0.002444193
1966.199961	66.225361	1.49461E-06	0.00293871
1966.239961	68.031351	1.53537E-06	0.003018911
1966.279961	66.266408	1.49554E-06	0.002940651
1966.319961	69.601361	1.57081E-06	0.003088707
1966.359961	71.870217	1.62201E-06	0.003189457
1966.399961	75.56602	1.70542E-06	0.003353537
1966.439961	81.444491	1.83809E-06	0.003614491
1966.479961	70.960506	1.60148E-06	0.003149278
1966.519961	64.4547	1.45465E-06	0.002860604
1966.559961	78.789533	1.77817E-06	0.003496878
1966.599961	80.254911	1.81124E-06	0.003561988
1966.639961	56.13276	1.26684E-06	0.002491415
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1966.719961	58.543634	1.32125E-06	0.002598525
1966.759961	54.211585	1.22348E-06	0.002406291
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1966.839961	59.317924	1.33872E-06	0.002633054
1966.879961	61.743377	1.39346E-06	0.002740773
1966.919961	69.318159	1.56441E-06	0.003077078
1966.959961	67.859155	1.53149E-06	0.003012373
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1967.039961	50.546935	1.14077E-06	0.002243948
1967.079961	46.681732	1.05354E-06	0.002072401
1967.119961	50.801831	1.14653E-06	0.002255355
1967.159961	78.005922	1.76049E-06	0.003463156
1967.199961	95.64238	2.15852E-06	0.004246231
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1967.27996	68.613512	1.54851E-06	0.003046355
1967.31996	62.043252	1.40023E-06	0.0027547
1967.35996	65.630499	1.48119E-06	0.002914032
1967.39996	68.899271	1.55496E-06	0.003059229
1967.43996	69.582746	1.57039E-06	0.003089639
1967.47996	76.044066	1.71621E-06	0.003376606
1967.51996	71.819859	1.62087E-06	0.003189102
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1967.59996	70.064829	1.58127E-06	0.003111298
1967.63996	73.152709	1.65095E-06	0.003248485
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1967.71996	70.094805	1.58194E-06	0.003112819
1967.75996	50.942621	1.1497E-06	0.002262341
1967.79996	51.48695	1.16199E-06	0.002286561
1967.83996	55.981199	1.26342E-06	0.002486204
1967.87996	55.637854	1.25567E-06	0.002471006
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1967.95996	57.554418	1.29892E-06	0.002556229
1967.99996	55.60271	1.25488E-06	0.002469595
1968.03996	64.227085	1.44952E-06	0.002852705
1968.07996	71.425131	1.61197E-06	0.003172477
1968.11996	69.464705	1.56772E-06	0.003085464
1968.15996	72.205277	1.62957E-06	0.003207259
1968.19996	75.778954	1.71023E-06	0.003366066
1968.23996	69.506461	1.56866E-06	0.003087507
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1968.43996	71.649892	1.61704E-06	0.003183043
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1968.51996	59.46522	1.34205E-06	0.002641847
1968.55996	69.409397	1.56647E-06	0.003083697
1968.59996	66.408816	1.49875E-06	0.002950448
1968.63996	73.182846	1.65163E-06	0.003251474
1968.67996	74.398448	1.67907E-06	0.00330555
1968.71996	70.124267	1.58261E-06	0.00311571
1968.75996	70.259578	1.58566E-06	0.003121786
1968.79996	75.944557	1.71396E-06	0.00337445
1968.83996	85.796636	1.93631E-06	0.003812286
1968.87996	94.092875	2.12355E-06	0.004181005
1968.91996	91.387937	2.0625E-06	0.004060894
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1969.11996	61.593877	1.39009E-06	0.00273725
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1969.23996	75.2303	1.69784E-06	0.00334346
1969.27996	73.919947	1.66827E-06	0.003285291
1969.31996	62.695568	1.41495E-06	0.002786493
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1969.43996	48.015236	1.08364E-06	0.002134158
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1969.51996	59.244489	1.33707E-06	0.002633377
1969.55996	56.826004	1.28248E-06	0.002525929
1969.59996	62.010364	1.39949E-06	0.002756431
1969.63996	73.451025	1.65769E-06	0.003265047
1969.67996	69.993377	1.57965E-06	0.003111411
1969.71996	59.917698	1.35226E-06	0.002663572
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1969.87996	55.355745	1.2493E-06	0.002460975
1969.91996	81.073812	1.82972E-06	0.003604408
1969.95996	76.199999	1.71973E-06	0.003387795
1969.99996	56.314037	1.27093E-06	0.002503731
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1970.11996	39.207618	8.84861E-07	0.001743283
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1970.31996	79.557136	1.79549E-06	0.003537697
1970.35996	72.314647	1.63204E-06	0.003215708
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1970.47996	49.259481	1.11172E-06	0.002190618
1970.51996	49.622789	1.11992E-06	0.002206819
1970.55996	56.355021	1.27185E-06	0.002506265
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1970.63996	67.3257	1.51945E-06	0.002994284
1970.67996	58.917459	1.32968E-06	0.002620384
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1970.79996	42.657105	9.62711E-07	0.001897312
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1971.03996	59.605081	1.3452E-06	0.00265145
1971.07996	55.846322	1.26037E-06	0.002484297
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1971.19996	65.380504	1.47555E-06	0.002908598
1971.23996	55.661824	1.25621E-06	0.002476291
1971.27996	53.788126	1.21392E-06	0.002392982
1971.31996	54.131921	1.22168E-06	0.002408326
1971.35996	55.575574	1.25426E-06	0.002472604
1971.39996	52.231507	1.17879E-06	0.002323871
1971.43996	48.078718	1.08507E-06	0.00213915
1971.47996	52.718627	1.18979E-06	0.002345639
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1972.27996	52.357597	1.18164E-06	0.002330521
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1972.39996	40.829744	9.2147E-07	0.001817508
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1972.47996	49.07715	1.1076E-06	0.002184725
1972.51996	54.97656	1.24074E-06	0.002447393
1972.55996	53.978931	1.21823E-06	0.00240303
1972.59996	51.732128	1.16752E-06	0.002303054
1972.63996	61.614424	1.39055E-06	0.002743058
1972.67996	79.705925	1.79885E-06	0.003548559
1972.71996	86.572376	1.95382E-06	0.003854336
1972.75996	76.848546	1.73436E-06	0.003421485
1972.79996	59.47665	1.34231E-06	0.0026481
1972.83996	46.67079	1.05329E-06	0.002077982
1972.87996	54.887425	1.23873E-06	0.002443871
1972.91996	75.105279	1.69502E-06	0.003344142
1972.95996	87.221497	1.96847E-06	0.003883708
1972.99996	76.133291	1.71822E-06	0.003390053
1973.03996	64.866923	1.46396E-06	0.002888444
1973.07996	61.094505	1.37882E-06	0.002720518
1973.11996	57.721351	1.30269E-06	0.002570365
1973.15996	56.924872	1.28472E-06	0.002534948
1973.19996	67.59722	1.52558E-06	0.003010265
1973.23996	66.935116	1.51063E-06	0.00298084
1973.27996	58.427462	1.31863E-06	0.002602019
1973.31996	58.398731	1.31798E-06	0.002600792
1973.35996	63.959571	1.44348E-06	0.002848503
1973.39996	50.032434	1.12916E-06	0.002228289
1973.43996	54.360883	1.22685E-06	0.002421114

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1973.51996	69.765805	1.57452E-06	0.003107341
1973.55996	60.632697	1.3684E-06	0.002700611
1973.59996	50.338139	1.13606E-06	0.002242131
1973.63996	45.537096	1.02771E-06	0.002028327
1973.67996	56.065465	1.26532E-06	0.002497336
1973.71996	60.380715	1.36271E-06	0.002689605
1973.75996	53.881358	1.21603E-06	0.002400146
1973.79996	47.575674	1.07372E-06	0.002119302
1973.83996	45.932249	1.03663E-06	0.002046136
1973.87996	46.318657	1.04535E-06	0.002063391
1973.91996	40.281618	9.091E-07	0.001794491
1973.95996	50.853991	1.1477E-06	0.002265521
1973.99996	72.683636	1.64037E-06	0.003238087
1974.03996	72.904967	1.64536E-06	0.003248013
1974.07996	63.461493	1.43224E-06	0.002827351
1974.11996	62.999592	1.42181E-06	0.00280683
1974.15996	64.895985	1.46461E-06	0.002891378
1974.19996	65.171192	1.47082E-06	0.002903699
1974.23996	57.363936	1.29462E-06	0.002555899
1974.27996	55.566707	1.25406E-06	0.002475872
1974.31996	53.262801	1.20207E-06	0.002373265
1974.35996	60.951624	1.37559E-06	0.002715916
1974.39996	71.569048	1.61521E-06	0.003189078
1974.43996	72.216703	1.62983E-06	0.003218002
1974.47996	63.613902	1.43568E-06	0.002834716
1974.51996	45.109061	1.01805E-06	0.002010157
1974.55996	41.779373	9.42902E-07	0.001861817
1974.59996	57.810073	1.30469E-06	0.002576246
1974.63996	64.616861	1.45831E-06	0.002879642
1974.67996	62.543196	1.41151E-06	0.002787286
1974.71996	54.046441	1.21975E-06	0.00240867
1974.75996	58.410932	1.31825E-06	0.002603234
1974.79996	56.871306	1.28351E-06	0.002534668
1974.83996	54.257915	1.22453E-06	0.002418242
1974.87996	53.856873	1.21547E-06	0.002400416
1974.91996	61.478109	1.38748E-06	0.002740153
1974.95996	58.123966	1.31178E-06	0.002590707
1974.99996	53.557518	1.20872E-06	0.002387219
1975.03996	44.72284	1.00933E-06	0.001993471
1975.07996	39.645962	8.94754E-07	0.001767211
1975.11996	41.513079	9.36892E-07	0.001850475
1975.15996	46.330245	1.04561E-06	0.002065245
1975.19996	63.055734	1.42308E-06	0.002810868
1975.23996	74.01835	1.67049E-06	0.003299621
1975.27996	85.649447	1.93299E-06	0.003818194

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1975.39996	58.793369	1.32688E-06	0.002621127
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1975.55996	52.286278	1.18003E-06	0.002331217
1975.59996	50.535103	1.14051E-06	0.002253185
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1975.71996	69.0528	1.55843E-06	0.003079012
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1975.79996	54.284687	1.22513E-06	0.002420611
1975.83996	57.804894	1.30458E-06	0.002577633
1975.87996	63.409979	1.43107E-06	0.002827632
1975.91996	58.37	1.31733E-06	0.002602938
1975.95996	59.427238	1.34119E-06	0.002650138
1975.99996	59.898881	1.35183E-06	0.002671225
1976.03996	60.12452	1.35693E-06	0.002681341
1976.07996	60.007842	1.35429E-06	0.002676192
1976.11996	64.227321	1.44952E-06	0.002864428
1976.15996	61.322882	1.38397E-06	0.00273495
1976.19996	69.473742	1.56793E-06	0.003098534
1976.23996	73.38242	1.65614E-06	0.003272928
1976.27996	71.173494	1.60629E-06	0.003174472
1976.31996	69.821828	1.57578E-06	0.003114248
1976.35996	59.917504	1.35225E-06	0.002672542
1976.39996	65.608076	1.48068E-06	0.002926422
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1976.51996	73.59235	1.66088E-06	0.003282756
1976.55996	71.199457	1.60687E-06	0.00317608
1976.59996	72.833972	1.64376E-06	0.003249059
1976.63996	63.455361	1.4321E-06	0.002830744
1976.67996	45.993282	1.038E-06	0.002051802
1976.71996	35.822239	8.08458E-07	0.001598095
1976.75996	34.948682	7.88743E-07	0.001559156
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1976.83996	45.745974	1.03242E-06	0.002040935
1976.87996	47.047216	1.06179E-06	0.002099032
1976.91996	49.065238	1.10733E-06	0.002189111
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1976.99996	42.173229	9.51791E-07	0.001881691
1977.03996	42.533913	9.59931E-07	0.001897822
1977.07996	41.926059	9.46213E-07	0.001870738
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1977.27996	52.26733	1.1796E-06	0.002332401
1977.31996	52.868642	1.19317E-06	0.002359282
1977.35996	58.325538	1.31633E-06	0.002602851
1977.39996	67.424171	1.52167E-06	0.003008949
1977.43996	72.124916	1.62776E-06	0.003218795
1977.47996	69.972188	1.57917E-06	0.003122787
1977.51996	71.949941	1.62381E-06	0.003211117
1977.55996	83.25962	1.87905E-06	0.003715941
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1977.75996	52.354047	1.18156E-06	0.002336838
1977.79996	54.605437	1.23237E-06	0.002437379
1977.83996	48.007988	1.08347E-06	0.002142937
1977.87996	42.556286	9.60436E-07	0.001899627
1977.91996	47.155303	1.06423E-06	0.002104961
1977.95996	53.236595	1.20148E-06	0.002376471
1977.99996	61.203337	1.38127E-06	0.00273216
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1978.11996	54.684042	1.23414E-06	0.002441282
1978.15996	65.384673	1.47564E-06	0.002919054
1978.19996	66.16798	1.49332E-06	0.002954084
1978.23996	58.504887	1.32037E-06	0.002612016
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1978.39996	69.277134	1.56349E-06	0.003093205
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1978.51996	55.363581	1.24948E-06	0.002472119
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1978.63996	54.19967	1.22321E-06	0.002420294
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1978.91996	62.23489	1.40455E-06	0.002779501
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1979.83996	53.333216	1.20366E-06	0.002383047
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1985.75996	56.165776	1.26758E-06	0.002517116
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1985.83996	44.698177	1.00878E-06	0.002003267
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1998.55996	61.937967	1.39785E-06	0.002793694
1998.59996	63.709494	1.43783E-06	0.002873656
1998.63996	61.611927	1.3905E-06	0.0027791
1998.67996	53.713178	1.21223E-06	0.002422863
1998.71996	51.658676	1.16586E-06	0.002330236
1998.75996	56.870023	1.28348E-06	0.002565363
1998.79996	50.127539	1.13131E-06	0.00226126
1998.83996	43.646784	9.85047E-07	0.001968952
1998.87996	55.276282	1.24751E-06	0.00249362
1998.91996	67.76493	1.52936E-06	0.003057068
1998.95996	65.432466	1.47672E-06	0.002951903
1998.99996	52.709358	1.18958E-06	0.002377964
1999.03996	44.703781	1.0089E-06	0.002016836
1999.07996	51.598627	1.16451E-06	0.002327947
1999.11996	61.799939	1.39474E-06	0.00278825
1999.15996	61.428496	1.38636E-06	0.002771547
1999.19996	51.009518	1.15121E-06	0.002301507

1999.23996	49.762679	1.12307E-06	0.002245295
1999.27996	52.096298	1.17574E-06	0.002350635
1999.31996	54.664944	1.23371E-06	0.002466584
1999.35996	63.753819	1.43883E-06	0.002876749
1999.39996	59.543457	1.34381E-06	0.002686819
1999.43996	56.809719	1.28212E-06	0.002563514
1999.47996	61.908034	1.39718E-06	0.00279363
1999.51996	63.302666	1.42865E-06	0.00285662
1999.55996	60.820922	1.37264E-06	0.002744683
1999.59996	50.426376	1.13805E-06	0.002275651
1999.63996	49.202785	1.11044E-06	0.002220477
1999.67996	55.380941	1.24987E-06	0.002499341
1999.71996	49.545933	1.11818E-06	0.002236052
1999.75996	39.708224	8.96159E-07	0.001792103
1999.79996	47.824382	1.07933E-06	0.002158443
1999.83996	56.999447	1.2864E-06	0.00257259
1999.87996	51.384707	1.15968E-06	0.002319223
1999.91996	45.608321	1.02932E-06	0.00205855
1999.95996	41.387151	9.3405E-07	0.001868063
1999.99996	44.904401	1.01343E-06	0.00202686