



universe

an Open Access Journal by MDPI



Recent Advances in Wormhole Physics

Guest Editors:

Prof. Dr. Kirill A. Bronnikov

Prof. Dr. Sergey V. Sushkov

Institute of Physics, Kazan
Federal University,
Kremlyovskaya Str. 16a, 420008
Kazan, Russia

Deadline for manuscript
submissions:

closed (31 January 2022)

Message from the Guest Editors

Dear Colleagues,

Wormholes represent very special topological objects in a curved space-time. They are generally understood as traversable bridges or shortcuts connecting distant regions of our universe or even different universes. This makes wormholes extremely important and interesting objects for various physical studies and applications, and therefore they have been intensively studied for many years. This Special Issue welcomes contributions on recent achievements in wormhole physics, including exact solutions in general relativity and alternative theories of gravity, the problems of wormhole evolution and stability, quantum effects in wormhole space-times, astrophysical signatures of wormholes, etc.

Prof. Dr. Kirill A. Bronnikov

Prof. Dr. Sergey Sushkov

Guest Editors



mdpi.com/si/41338

Special Issue



universe



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Lorenzo Iorio

Ministero dell'Istruzione e del Merito, Viale Unità di Italia 68,
70125 Bari, BA, Italy

Message from the Editor-in-Chief

The multidisciplinary *Universe* journal is aiming to follow and, hopefully, to lead to the largest extent as possible the ever-self renovating threads which weave mathematical theories with our understanding of the magnificent natural world. On behalf of all the distinguished members of the editorial board, I extend my welcome to this new journal and look forward to hearing from the interested contributors and learning about their valuable research.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Astrophysics Data System, INSPIRE, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Astronomy & Astrophysics*) / CiteScore - Q2 (*General Physics and Astronomy*)

Contact Us

Universe Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/universe
universe@mdpi.com
[X@Universe_MDPI](https://twitter.com/Universe_MDPI)