



Theoretical Analysis and Numerical Simulation for Fractional Dynamics and Fractional Calculus

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Message from the Guest Editors

Dear Colleagues,

The focus of this Special Issue is on advanced research in theoretical analysis on topics relating to the development of fractional calculus theory; fractional-order operator design; and the analysis of dynamical properties including the stabilization, response, reliability, and control of fractional-order systems. The topics of the newest established technique range from numerical simulation to fractional dynamics. Topics that are invited for submission include (but are not limited to):

Fractional-order calculus theory;
Fractional-order oscillator designs and realizations;
Fractional-order control systems and implementation;
Digital and numerical approximations for solutions of fractional-order systems;
Stabilization of the fractional dynamical system;
Response of the fractional dynamical system;
Applications of fractional-order dynamical systems.

