

Special Issue

Symmetry in Fractional Derivatives, Fractional Equations and Fractional Order Systems

Message from the Guest Editors

The study of fractional differential equations and their applications has had a long history with achievements and challenges, and continues to stand among the mainstays of contemporary mathematics. We know that symmetry is a fundamental phenomenon in nature and all sciences. There are many symmetry problems in ordinary differential equations, such as Lie symmetry and radial symmetry. The aim of this Special Issue in *Symmetry* is to study all kinds of symmetry problems in fractional differential equations, for example, radial symmetry of solutions for fractional parabolic equations. It will be devoted to topics in fractional differential equations, fractional order systems, and their advanced applications.

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About the Journal

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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