Special Issue

Recent Advance in Mathematical Physics

Message from the Guest Editor

This Special Issue of *Symmetry* is devoted to the most recent and valuable developments in mathematical physics that are of theoretical or applicable interest. More attention will be paid to problems and models which present a symmetric feature. We expect contributions from all fields covered by mathematical physics, in particular from the following fields:

- Geometric methods in mathematical physics, including dynamical systems, geometric mechanics, special and general relativity, Einstein equations, and quantum gravity;
- Linear and nonlinear partial differential equations of mathematical physics, such as linear and nonlinear Schrodinger equations, Maxwell equations, Klein–Gordon equations, and systems of partial differential equations;
- Continuum mechanics and applications to mechanical engineering;
- Fluid mechanics and applications.

We look forward to your contributions to this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2021)

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.

Editor-in-Chief

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