



symmetry



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Physics and Symmetry Section: Review Papers

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Deadline for manuscript
submissions:

closed (31 March 2023)

Message from the Guest Editors

As Associate Section Editor-in-Chief for “Physics and Symmetry”, I am happy to announce the latest Special Issue, “Physics and Symmetry Section: Review Papers”. This Special Issue aims to cover recent advances in physical aspects of symmetry. Symmetry is one of the most important and fundamental concepts on the whole physics world. Symmetry of the physical system is related to invariance under transformations. Physical symmetries are mathematically represented by group theory and used to classify physical states, analyze observed data, and construct theoretical models. Additionally, this Special Issue is open to related topics of “Physics and Symmetry”.

There is a lot of work involved in applying symmetry and symmetry breaking to a variety of physical systems. We would like to call for review papers in physical aspects of symmetry.



mdpi.com/si/54109

Special Issue



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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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