

Special Issue

Symmetry Principles in Quantum Systems II

Message from the Guest Editor

In 1931, Herman published the famous monograph “The Theory of Groups and Quantum Mechanics”. From that moment, symmetry has been one of the most important principles for describing quantum phenomena. This Special Issue invites you to contribute your original research work and review articles on “Symmetry in Quantum Systems” that either advances theoretical and mathematical methods or extends the bounds of existing methodologies and other challenges in quantum theory. Symmetry is usually associated with theory, but we also expect articles discussing the experimental aspects of symmetry. We hope that this Special Issue will provide an overall picture of the discussed problems and up-to-date findings for both researchers and students, and that readers will ultimately benefit from reading the contributions.

Guest Editor

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Deadline for manuscript submissions

closed (20 July 2022)



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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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