Symmetry in Quantum Systems

Guest Editor:

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Deadline for manuscript submissions:
closed (31 July 2021)

Message from the Guest Editor

Papers that emphasize the role of symmetries and symmetry breaking in the time evolution, parameter space, and/or boundary conditions of both quantum systems, including quantum fields and hybrid quantum–classical systems are welcome. Moreover, contributions investigating the interplay between symmetries and the quantum–classical limit are especially desired. The scope of this Special Issue is broad, and both experimental and theoretical contributions are invited.

Special Issue

Editor-in-Chief

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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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