



Symmetry Principles in Quantum Systems

Guest Editor:

Prof. Dr. Jan Śladkowski

Institute of Physics, University of
Silesia, 75 Pułku Piechoty 1, PL
41-005 Chorzów, Poland

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Message from the Guest Editor

Dear Colleagues,

In 1931, Hermann Weyl 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 to both researchers and students and that the readers would ultimately benefit from reading the contributions...





Editor-in-Chief

Prof. Dr. Sergei D. Odintsov

1. Institució Catalana de Recerca
i Estudis Avançats (ICREA),
Passeig Luis Companys, 23,
08010 Barcelona, Spain
2. Institute of Space Sciences
(ICE-CSIC), C. Can Magrans s/n,
08193 Barcelona, Spain

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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Symmetry Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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