Special Issue

Advances in Quantum Theory and Quantum Computing

Message from the Guest Editor

Even though it is over a hundred years old, quantum theory of information is still highly relevant. Many scientists are looking for a quantum equivalent to the theory of gravity. Therefore, it is difficult to overestimate the importance of quantum aspects in broadly understood science and technology. Even mathematical modeling would be a completely different science without the concepts rooted in quantum theory. This Special Issue aims to highlight the role of symmetry in pure and applied sciences. We invite contributions of both theoretical and applied types. The authors are encouraged to submit their original research results and, possibly, reviews. The scope of topics includes, but is not limited to, the following:

- "standard" quantum mechanics and quantum field theory;
- quantum statistical physics;
- quantum information processing;
- mathematical structure of quantum theory;
- quantum games;
- quantum decision theory;
- quantum aspects of social science.

Guest Editor

Prof. Dr. Jan Sładkowski Institute of Physics, University of Silesia, 75 Pułku Piechoty 1, Pl 41-005 Chorzów, Poland

Deadline for manuscript submissions

closed (31 July 2023)



Axioms

an Open Access Journal by MDPI

Impact Factor 1.6



mdpi.com/si/119351

Axioms Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 axioms@mdpi.com

mdpi.com/journal/

axioms





Axioms

an Open Access Journal by MDPI

Impact Factor 1.6



axioms



About the Journal

Message from the Editor-in-Chief

Axioms is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Humberto Bustince Department of Statistics, Computer Science and Mathematics, Public University of Navarra, 31006 Pamplona, Spain

Author Benefits

Open Access

- free for readers, with article processing charges (APC) paid by authors or their institutions.

High visibility:

indexed within SCIE (Web of Science), dblp, and other databases.

Journal Rank:

JCR - Q2 (Mathematics, Applied)