

Special Issue

Ternary and Z3-Graded Algebras in Physics

Message from the Guest Editor

In past decades, Z3-graded algebraical structures have been the object of raising interest, also in view of their possible applications in physics. Numerous generalizations of Z2-graded structures have been proposed and investigated, e.g., Z3-graded exterior differentials and Grassmann algebras, ternary Clifford algebras, Z3-generalizations of supersymmetry, and Z3-graded generalization of spin and color Dirac equation. These topics will be the subject of articles presented in the Special Issue, combining articles of mathematical and physical character.

Guest Editor

Prof. Dr. Richard Kerner

Laboratory of Theoretical Physics of Condensed Matter, Sorbonne-University and URA CNRS 7600, France

Deadline for manuscript submissions

closed (15 May 2022)



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

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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.

Editor-in-Chief

Prof. Dr. Sergei Odintsov

1. ICREA, 08010 Barcelona, Spain

2. Institute of Space Sciences (IEEC-CSIC), C. Can Magrans s/n, 08193 Barcelona, Spain

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