



Ternary and Z3-Graded Algebras in Physics

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

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.





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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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