

Special Issue

Symmetry and Dynamical Systems

Message from the Guest Editor

The theory of dynamical systems is one of the cornerstones of contemporary mathematics, with connections and applications to various other major fields, such as number theory, analysis, probability theory, and statistics.

The goal of this Special Issue is to present the various aspects of the field of dynamical systems. The two main contemporary themes are the study of generic behavior in large and thin classes of transformations and the study of rigid dynamical systems. Rigidity appears many times in the presence of a large group of symmetries of the dynamical system. A large group may be one that contains a higher rank Abelian subgroup.

Guest Editor

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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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