

Special Issue

Symmetry in Mathematical Analysis and Functional Analysis

Message from the Guest Editors

As we all know, the role and consequences of the notion of symmetry in mathematics and related sciences are very important. In this Special Issue, we want to establish some theoretical results (and their applications) in the fields of Mathematical Analysis and Functional Analysis, in which the concept of symmetry plays an essential role. More specifically, we aim to investigate various problems in areas such as: optimization problems, polynomial approximation on unbounded subsets, moment problems, variational inequalities, evolutionary problems, dynamical systems, generalized convexity, partial differential equations, and special spaces of self-adjoint operators. Some of these areas of research are strongly intercorrelated. Therefore, I cordially invite you to publish your results (articles or review-papers) on related subjects in this Special Issue.

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About the Journal

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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