



Symmetry in Mathematical Analysis and Applications

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Mathematics servant of Sciences, Mathematics queen of Sciences. This is the rough translation of a statement in Latin describing the role of mathematics in the scientific community. At the core of mathematics, mathematical analysis in the past centuries has provided applications in different disciplines, essential to reach modern knowledge, in both practical and theoretical aspects. In addition to applications, mathematics possesses a wonderful beauty: Fundamental formulas present deep links in symmetry, going beyond technical expressions.

The Special Issue of *Symmetry* will feature articles on mathematical analysis, its applications, and related computations. These include differential equations, integral equations, functional, Harmonic, Fourier and spectral analysis, function theory, stochastic analysis, and other subjects. Applications are not limited to physics, but may concern all the sciences. Preference will be given to results emphasizing deep relations and symmetries, in theoretical and applicative settings.

Prof. Luigi Rodino
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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