

Special Issue

Partial Differential Equations and Symmetry

Message from the Guest Editors

The scope of this Special Issue includes, but is not limited to, the following: symmetry method, analytical method, Lie group method, symmetry analysis, numerical algorithm, symmetry property, separation of variables method, symmetry reduction, exact solution, approximate solution, symmetry structure, spectral method, Fourier transform, Laplace transform, inverse scattering transform, finite difference method, finite element method, Riemann–Hilbert method, Darboux transformation, Bilinear method, function expansion method, Green’s function method, characteristic line method, variational method, integral transformation method, physics informed neural method, and other methods related to symmetry for partial differential equations. We look forward to receiving your contributions.

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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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