



symmetry



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Symmetry and Complexity 2020

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Message from the Guest Editor

Dear Colleagues,

This Special Issue focuses on the most recent advances in calculus, applied to dynamical problems, linear and nonlinear (fractional, stochastic) ordinary and partial differential equations, integral differential equations, and stochastic integral problems, arising in all fields of science, engineering applications, computer science, and other applied fields dealing with complexity.

We are soliciting contributions covering a broad range of topics on symmetry and complexity in:

Mathematics; Chemistry; Physics; Fluid dynamics and aerodynamics; Unified physical theory; Biology; Nonlinear dynamical systems; Nonlinear science; Engineering application; Chaos; Fractals; Image and data analysis; Computational systems; Artificial intelligence, neural networks; Philosophy, logic, and semantic structures.



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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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