Special Issue

Topological Dynamical Systems

Message from the Guest Editor

In recent decades, the topological theory of dynamical systems has been rapidly developed. In particular, the topological dynamical systems are nowadays widely applied in chaos theory, combinatorics, and fractal geometry, etc. The theory of topological dynamical systems is one of the most interesting research fields in contemporary mathematics. Many theoretical results have found many real-world applications. In the last twenty years, considerable attention has been paid to their connections with fractal sets and function spaces. Many publications have reflected this interest, focusing especially on the link with wavelet analysis. Therefore, the topological dynamical systems act as a link between several mathematical fields, and between different fields of functional analysis more broadly. In particular, topological dynamical systems deal with the topological properties of dynamical systems...

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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