Special Issue

New Trends in Fixed Point Theory with Emphasis on Symmetry

Message from the Guest Editors

Dear colleagues, Fixed point theory and its applications has played an important role in analysis for many years. Researchers have worked on this theory in various branches since Banach introduced his famous principle. First, this theory was categorized into three parts: topological fixed-point theory, metric fixed-point theory, and discrete fixed-point theory. Today, many authors are working on finding fixed points and common fixed points of mappings under certain contractive conditions in many abstract spaces and are also combining many concepts to solve some new problems in diverse sciences such as engineering, economics, geometry, etc. On the other hand, symmetry is a matter which has recently been mixed with many mathematics problems. The main purpose of this issue is to introduce significant developments in fixed-point theory, with an emphasis on symmetry.

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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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