Symmetry in Geometric Function Theory

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Message from the Guest Editors

Dear Colleagues,

The study of the geometric and mapping properties of analytic and harmonic functions has been an active area of research for complex analysts for more than a century.

Functions with rotational symmetry and finite-fold symmetry, with respect to symmetric (conjugate) points, have been widely studied in geometric function theory. Moreover, the functions or their associated expressions mapping the unit disk onto domains having a particular symmetry or exhibiting a certain geometrical shape have helped in investigating various properties of functions in terms of coefficient bounds/inequalities, distortion, growth and covering theorems, convolution results, differential inequalities/subordinations, radius problems and inclusion relations.

This Special Issue will provide a platform through which for researchers in different areas of analysis, geometry, and applied mathematics to come together and exchange ideas on how to exploit the notion of symmetry to investigate the properties of analytic and harmonic functions.

Special Issue

Editor-in-Chief

Prof. Dr. Sergei Odintsov
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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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