

Symmetry in Special Functions and Orthogonal Polynomials

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submissions:

closed (1 June 2020)

Message from the Guest Editors

Dear Colleagues,

Special functions, one of the oldest branches of real and complex analysis, have been exploited by Issac Newton, Gottfried Leibniz, Leonhard Euler, Carl Friedrich Gauss, Bernhard Riemann, and among many other great mathematicians, physicists, astronomers, scientists, and engineers. In the recent past, using many diverse methods, new special functions and orthogonal polynomials have been introduced and explored, new organizational structures have been discovered, and new results have been obtained for centuries-old special functions. In this Special Issue, we invite and welcome review, expository, and original research articles dealing with recent advances on the topics of special functions and orthogonal polynomials of one, as well as several, variables.





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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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