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Complex Analysis, in Particular Analytic and Univalent Functions

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Deadline for manuscript submissions:
closed (15 September 2022)

Message from the Guest Editors

Complex analysis is one of the most beautiful areas of research in mathematics, due mostly to its remarkable properties and interactions with numerous other branches of pure and applied mathematics. Amongst the many research areas of complex analysis, a vibrant and popular field is the theory of univalent functions, dealing with the geometric and mapping properties of analytic functions. Despite the fact that the famous 1916 coefficient conjecture of Bieberbach was solved by Louis de Branges in 1985, a great many other significant and difficult problems remain, which increasingly are being shown to relate to other branches of classical complex analysis.

The aim of this Special Issue is to invite papers on complex analysis, and in particular univalent functions. Papers submitted should be of high quality, concentrating on mainstream problems, which make significant additions to the subject. Topics could include subclasses of univalent functions, such as convex, starlike, close-to-convex functions and so on, but simple extensions of known results are not welcome.

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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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