

Special Issue

Mathematical Analysis and Its Applications from Decision Theory to Extreme Values

Message from the Guest Editors

The subject of this Special Issue is “Mathematical Analysis”, in a wide pure and applied sense. Indeed, today, there is a strong need for theoretical foundations of applied and potentially applicable results, which rely, at one point or another, on the order, algebraic, and/or topological structures of the underlying spaces. For these reasons, we focus here on both pure mathematical tools (e.g., functional analytic results) and their applications (ranging from decision theory to extreme value theory). In particular, anything related to the following topics would be very welcomed: structure of sequence spaces, the geometry of Banach spaces, Baire category results, extreme value distributions, multivariate extremes, symmetry in functional equations, representation of preferences, partially ordered sets, statistical convergence, and densities on the positive integers. We expect original and unpublished research articles or expository surveys in all the above areas and related ones.

Guest Editors

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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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