

## Special Issue

# Symmetry in Probability Theory and Statistics

### Message from the Guest Editors

In this Special Issue of *Symmetry*, we are aiming to present research and articles on the concept of symmetry in probability theory and statistics. Symmetry plays an important role in all aspects of natural sciences, e.g., in econometrics, engineering science, computer science and biology, etc. Symmetry is a central notion in probability theory and statistics, appearing in various forms in distribution theory, modeling, nonparametric estimation, parametric estimation, statistical tests, change point detection, model averaging, fiducial inference, variable selection, as well as in many other branches of modern interest. The objective of this Special Issue is to publish highly motivated, original, and innovative research articles that apply the notion of symmetry to current topics in probability theory and statistics.

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### Guest Editors

Prof. Dr. Xinmin Li

Prof. Dr. Daojiang He

Dr. Weizhong Tian

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### Deadline for manuscript submissions

closed (31 December 2023)



## Symmetry

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Sergei Odintsov  
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