Special Issue

Symmetry in Researches of Neutron Stars and Black Holes

Message from the Guest Editors

This Special Issue focuses on the role of symmetry in the study of neutron stars and black holes, two of the most mysterious objects in the universe. Symmetry plays a crucial role in our understanding of the physical laws governing these celestial bodies, influencing their formation, structure, and dynamics. This Special Issue aims to bring together a diverse range of research that contributes to the advancement of our knowledge of neutron stars and black holes. Contributions from theoretical, observational, and computational perspectives are welcome, providing a comprehensive view of how symmetry shapes our understanding of these enigmatic objects. Key topics covered in this Special Issue include the following: Black holes; Gravitational waves; Stellar evolution and neutron stars; High-energy astrophysics.

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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.

Editor-in-Chief

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