Special Issue

New Insights in Wormhole Physics

Message from the Guest Editor

Almost thirty years after the introduction of the famous Morris–Thorne paper on Traversable Wormholes, exploring the possibility of connecting distant regions of our Universe or connecting different universes, the physics of such amazing objects still attracts research in this direction. One reason is the advent of alternative theories like f(R) gravity from one side and non-commutative theories on the other side, to cite some example, which has given to the field of Traversable Wormholes the possibility of finding new solutions and new configurations. Another reason comes from the fact that after the first detection of Gravitational Waves in 2015, Traversable Wormholes have become a matter of interest because they can be considered Black Hole mimickers. This special section would focus on different contributions and approaches by some of the leading researchers in this field. Scope: to provide a set of essays to illustrate the different approaches in different areas of Theoretical Physics that try to describe Traversable Wormholes in classical, semi-classical and quantum gravity. For more details: https://www.mdpi.com/si/169161

Guest Editor

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Message from the Editorial Board

Galaxies provides an advanced forum for studies related to astronomy, astrophysics, and cosmology, including all of their subfields. Different formats, such as specialized research articles, reviews, communications and technical notes are welcomed. Manuscripts containing original and creative research proposals and ideas are especially appreciated.

We encourage scientists to publish their astronomical observations and theoretical results in as much detail as possible. There is no restriction on the paper length and full experimental and methodological details, as applicable, should be provided. All papers will be peer reviewed promptly. On behalf of the distinguished members of the editorial board, I extend my welcome to all researchers working on these subjects to contribute to *Galaxies*.

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