

Special Issue

New Solutions of Einstein Equations in Spherical Symmetry

Message from the Guest Editors

As a purely mathematical theory, Einstein's Relativity predicts many models, whose properties can arouse interest in view of experimental proof of their actual validity. In the search for exact solutions to Einstein's equations, and related field equations coming from other theories of gravity, spherical solutions have obviously played a central role from the beginning. Despite its inadequacy in describing a phenomenon of great importance and topicality, spherical symmetry represents a rich training ground of relatively simple mathematical models, which can, however, show many central features of any theory of gravitation, the onset of horizons, and the formation of singularities. Furthermore, it is well known that the principles underlying relativistic cosmology lead us to consider the evolution of the universe in a spherical framework.

In this Special Issue of *Symmetry*, we wish to host contributions that illustrate the richness of Einstein's theory. Experts in the theory of Relativity are cordially invited to contribute their work on the topics indicated above.

Guest Editors

Prof. Salvatore Capozziello

Dr. Orlando Luongo

Prof. Dr. Roberto Giambò

Deadline for manuscript submissions

closed (10 March 2021)



Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



mdpi.com/si/23948

Symmetry
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
symmetry@mdpi.com

[mdpi.com/journal/
symmetry](https://mdpi.com/journal/symmetry)





Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



[mdpi.com/journal/
symmetry](https://mdpi.com/journal/symmetry)



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

Prof. Dr. Sergei Odintsov

1. ICREA, 08010 Barcelona, Spain

2. Institute of Space Sciences (IEEC-CSIC), C. Can Magrans s/n, 08193 Barcelona, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within SCIE (Web of Science), Scopus, CAPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Multidisciplinary Sciences) / CiteScore - Q1 (General Mathematics)