



Mathematics of Black Holes

Guest Editors:

**Prof. Dr. Stoytcho Stoyanov
Yazadjiev**

1. Department of Theoretical Physics, Physics Faculty, St. Kliment Ohridski University of Sofia, 1164 Sofia, Bulgaria
2. Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, Acad. G. Bonchev St. 8, 1113 Sofia, Bulgaria

Dr. Petya Nedkova

Department of Theoretical Physics, Faculty of Physics, St. Kliment Ohridski University of Sofia, 1164 Sofia, Bulgaria

Deadline for manuscript submissions:

closed (31 May 2023)

Message from the Guest Editors

Dear Colleagues,

Black holes are emblematic objects in modern physics and, perhaps, there is no other object that has attracted more attention. Current observations provide us with more and more evidence for the existence of black holes as real astrophysical objects. Black holes are also among the perfect laboratories for testing fundamental physics. In addition to their extreme importance to physics, black holes have also inspired many beautiful mathematical results and provide a bridge between theoretical physics and mathematics.

We invite our colleagues to contribute their papers to inform the scientific community of the advances made in the great adventure of studying black holes and the mathematics related to them. Topics of interest include all the mathematical and the theoretical aspects of black holes.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and
Informatics, De Montfort
University, The Gateway,
Leicester LE1 9BH, UK

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

Author Benefits

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

High Visibility: indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

Journal Rank: JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Contact Us

Mathematics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/mathematics
mathematics@mdpi.com
X@MathematicsMDPI