



Hypatia 2023–Particle Physics and Statistical Mechanics

Guest Editor:

Prof. Dr. Abdel Nasser Tawfik

Department of Physics, Future
University in Egypt, New Cairo,
Egypt

Deadline for manuscript
submissions:

closed (31 December 2023)

Message from the Guest Editor

Dear Colleagues,

In honoring Hypatia of Alexandria (c.370CE-c.415CE), the Hellenistic Neoplatonist Mathematician, Astronomer, and Philosopher, the Egyptian Center for Theoretical Physics (ECTP) organizes this International Conference. The first edition of this conference is devoted to "Particle Physics and Statistical Mechanics". Thereby, the participation for female as well as other minority groups of scientists and researchers is especially promoted.

Hypatia was the daughter of the last great mathematician Theon of Alexandria (c.335CE-c.405CE), who also tutored her in mathematics, astronomy, and philosophy. Hypatia was well known for her lectures and public outreach. She was admired because of her work on the ideas of conic sections introduced by Apollonius, especially how she divided cones into different parts by a plane. From this concept, the ideas of hyperbolas, parabolas, and ellipses were born. She mastered making related concepts easier to understand, even in ancient times. Hypatia never married. She was the first female scientist to whom such a profound mathematical impact was attributed.





symmetry



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Sergei D. Odintsov

1. Institució Catalana de Recerca i Estudis Avançats (ICREA),
Passeig Luis Companys, 23,
08010 Barcelona, Spain
2. Institute of Space Sciences
(ICE-CSIC), C. Can Magrans s/n,
08193 Barcelona, Spain

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.

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)

Contact Us

Symmetry Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/symmetry
symmetry@mdpi.com
X@Symmetry_MDPI