



symmetry



an Open Access Journal by MDPI

Symmetry/Asymmetry in Circuits and Electrodynamics

Guest Editors:

Prof. Dr. Talgat R. Gazizov

talgat@tu.tusur.ru

**Prof. Dr. Alexander M.
Zabolotsky**

zabolotsky_am@mail.ru

Prof. Dr. Sergey P. Kuksenko

ksergp@mail.ru

Deadline for manuscript
submissions:

16 May 2022

Message from the Guest Editors

With our increasing use of electrical and radioelectronic equipment in day-to-day life, the requirements to ensure proper functioning of this equipment are also heightened. To meet these requirements, it is necessary to solve multiple problems concerning electrical circuits and electrodynamic. Asymmetry is often the main factor to cause the challenges which emerge when we are solving these problems. One representative example of those challenges is associated with achieving electromagnetic compatibility. This Special Issue aims to present research papers, communications, and review articles considering various aspects of symmetry/asymmetry related to circuits and electrodynamic. The subjects of the study include modeling, simulation, optimization, and design issues. The objects of the study include (but are not limited to) antennas, active circuits, passive circuits, transmission lines, and electromagnetic shields. New approaches, models, algorithms, software, simulation, and design examples described in the papers of this Special Issue are expected to help us overcome various challenges in the future.



mdpi.com/si/97953

Special Issue

Editor-in-Chief

Prof. Dr. Sergei D. Odintsov

ICREA, P. Lluis Companys 23,
08010 Barcelona and Institute of
Space Sciences (IEEC-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 Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, and many other databases.

Journal Rank: JCR - Q2 (*Multidisciplinary Sciences*) / CiteScore - Q1 (*General Mathematics*)

Contact Us

Symmetry
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

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