



Lie and Conditional Symmetries and Their Applications for Solving Nonlinear Models

Guest Editor:

Prof. Dr. Roman M. Cherniha

Institute of Mathematics,
National Academy of Sciences of
Ukraine, 3, Tereshchenkivs'ka
Street, 01601 Kyiv, Ukraine

r.m.cherniha@gmail.com

Deadline for manuscript
submissions:

closed (31 October 2016)

Message from the Guest Editor

Nowadays, the most powerful methods for construction of exact solutions of nonlinear partial differential equations (PDEs) are symmetry based methods. These methods originated from the Lie method, which was created by the prominent Norwegian mathematician Sophus Lie in the 19th century. The method was essentially developed using modern mathematical language in the 1960s and 1970s. Although the technique of the Lie method is well-known, the method still attracts the attention of many researchers, and new results are published on a regular basis.[...]





Editor-in-Chief

Prof. Dr. Sergei D. Odintsov

ICREA, P. Lluís 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), Chemical Abstracts, Inspec, and many other databases.

CiteScore (2019 Scopus data): 2.5, which equals rank 55/368 (Q1) in 'Mathematics', 25/64 (Q2) in 'Computer Science', 25/54 (Q2) in 'Physics and Astronomy', and 17/31 (Q3) in 'Chemistry'.

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