

Special Issue

Asymptotic Properties of Solutions of Difference and Differential Equations

Message from the Guest Editors

Dear colleagues, Difference and differential equations have been used since Newton's time for the understanding of physical sciences, engineering, and vitality, as well as for sport, economic, and social sciences. This is because most of the relationships between variables and laws governing both physical and engineering issues and natural phenomena can be represented by differential equations. By solving these equations, it is possible to describe and understand these issues and phenomena. However, differential equations, such as those used to solve real-life problems, may not be directly solvable, i.e., they do not have closed-form solutions. Only the simplest equations admit solutions obtained from explicit formulas. Despite this, some properties of the solutions of a given differential equation may be determined without finding their exact form. If a self-contained formula for a solution is not available, the solution may be numerically approximated using computers. In this case, a recurrence relation is needed. This is an equation that recursively defines a sequence: each term of the sequence is defined as a function of the preceding terms.

Guest Editors

Prof. Dr. Rami Ahmad El-Nabulsi

Dr. Osama Moaaz

Dr. Omar Bazighifan

Deadline for manuscript submissions

closed (30 December 2020)



Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



mdpi.com/si/40775

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)