Special Issue

Chaos and Randomness of Discrete Dynamical Systems: Their Use in Applied Science

Message from the Guest Editor

The aim of this Special Issue is to bring together both mathematical theorists and applied scientists working on chaotic dynamics or random dynamics in discrete systems. New theoretical results in the fields of mathematical chaos, Markov chains, or discrete dynamical systems are welcome, together with applications related to their randomness or unpredictable behaviors. **Keywords:**

- discrete dynamical systems
- chaos
- Markov chains
- randomness
- applied science.

  -

Guest Editor

Prof. Dr. Christophe Guyeux

Department of Computer Science, Femto-ST Institute, UMR 6174 CNRS, Université de Bourgogne-Franche-Comté, Dijon, France

Deadline for manuscript submissions

closed (31 January 2018)

About the Journal

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.

Editor-in-Chief

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

Author Benefits

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

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

Rapid Publication:
manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).