

Special Issue

Advances in Symbolic and Collective Dynamics

Message from the Guest Editors

The existence of an interaction between dynamic systems can, of course, alter certain determined characteristics of their behaviors, so the study of the coupling of dynamic systems seems to be particularly relevant, namely, the possibility of the emergence of synchronization between these systems. This study can be extended to networks of dynamical systems. In this case, it is interesting to study the resulting global dynamics of the system emerging from the interactions between the local dynamics of the individual elements and the coupling structure and its influence on those emerging global patterns. This Special Issue aims to promote the exchange of approaches and methods between researchers and to spread recent advances in development of symbolic dynamics, dynamical networks, and the study of synchronization. It will focus on all aspects of collective phenomena, from qualitative to quantitative points of view. Both theoretical and applied approaches are welcome. In this Special Issue, we invite authors to present original research articles and to compile state-of-the-art results that can contribute effectively to these specific areas.

Guest Editors

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Deadline for manuscript submissions

closed (31 May 2024)



Mathematics

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Impact Factor 2.2
CiteScore 4.6



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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.

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