

Special Issue

Recent Advances in Positive Networked Systems

Message from the Guest Editors

Networked systems refer to interconnected systems that work together to achieve a distributed global goal. Examples can be found in various areas, including population models, epidemic networks, and transportation networks. However, the potential for analyzing networked systems has not been fully realized. Specifically, the positivity of the state, which is an inherent characteristic for certain practical variables in networked systems, such as traffic flows and infected populations, has been largely overlooked in most existing works on these systems. Given their wide range of applications, it is crucial to analyze these kinds of systems. Additionally, instinctively, obtaining more information about states leads to less conservative performance characterization and more effective control schemes. Motivated by this idea, this Special Issue aims to present research on the recent advances in positive networked systems.

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Deadline for manuscript submissions

1 April 2026



Mathematics

an Open Access Journal
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Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/251120

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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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