

Special Issue

New Results in Matrix Analysis and Applications

Message from the Guest Editor

Matrix theory and matrix analysis play a central role in mathematics and have applications in various fields, especially in quantum information theory. The goal of this Special Issue entitled “New Results in Matrix Analysis and Applications” is to collect the most recent results in all aspects of linear and multilinear algebra, matrix analysis and their applications, especially in quantum information theory. Potential topics include, but are not limited to, the following:

- Theory of matrix means;
- Theory of operator monotone functions;
- Quantum information theory;
- Matrix equations;
- Matrix optimizations;
- Majorization theory and applications;
- Matrix and operator inequalities.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2024)



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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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Author Benefits

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).