

Special Issue

Computer Aided Geometric Design

Message from the Guest Editors

Computer-aided geometric design (CAGD) is the discipline dealing with the mathematical description of shape and the computational aspects of geometric objects, in particular of parametric curves and surfaces through control polygons and control nets, respectively. This discipline belongs to industrial and applied mathematics..... The main purpose of this Special Issue of *Mathematics* is to gather recent results on CAGD and other related topics. We cordially invite you to present your recent contributions to this Special Issue.

Keywords

- Computer-aided geometric design
- Splines and NURBS
- Shape preservation
- Isogeometric analysis
- Subdivision
- Interpolation, approximation, and smoothing
- Wavelets and multiresolution methods
- Computational geometry
- Computer graphics
- Scattered data processing

Guest Editors

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Deadline for manuscript submissions

closed (20 March 2022)



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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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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).