

Special Issue

Mathematics for Visual Computing: Acquisition, Processing, Analysis and Rendering of Visual Information

Message from the Guest Editor

This Special Issue aims to publish recent advances in mathematical modelling, algorithms and applications for visual computing that involve acquisition, processing, analysis and rendering of visual information. In this Special Issue, original research articles and reviews are welcome. Topics appropriate for this Special Issue include, but are not limited to, mathematical modelling in visual computing, computational methods in machine learning, feature representation and learning of visual information, explainable artificial intelligence based on visualization, information registration and fusion based on visual computing in multi-modal, multi-scale and multi-temporal images, segmentation and classification of visual information, representation and rendering of visual information, virtual and augmented reality in image-guided applications, and so on. We look forward to receiving your contributions.

Guest Editor

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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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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).