

Special Issue

Symbolic Computation for Mathematical Visualization

Message from the Guest Editor

The fundamental objects of study in algebraic geometry are **algebraic varieties**, which are geometric manifestations of **solutions of systems of polynomial equations**. **Computational algebraic geometry** is an area that has emerged at the intersection of algebraic geometry and **computer algebra**, with the rise of computers. It consists mainly of **algorithm** design and **software** development for the study of properties, as well as their applications, of explicitly given algebraic varieties. The visualization of mathematics, consisting of the visualization of objects, and mathematical structures and methods, focuses on the development of intuition and mental models that provide answers to questions that may arise within and outside of the mathematics. This Special Issue is dedicated to unpublished original papers with a high impact in all domains of Ordered Structures, Logic Structures and Topological Structures both in theory and in application.

Guest Editor

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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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