New Trends in Algebraic Geometry and Its Applications, 2nd Edition

Guest Editor:

Prof. Dr. Sonia Pérez-Díaz
Department of Physic and
Mathematics, University of Alcalá,
Madrid, Spain

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Message from the Guest Editor

The Special Issue on "New Trends in Algebraic Geometry and Its Applications, 2nd Edition" is directed at mathematicians and computer scientists who have a particular interest in algebraic geometry and its applications. In particular, this Special Issue is intended to facilitate communication between researchers who are addressing fundamental algorithmic issues in the treatment of curves and surfaces (from the symbolic and also numeric points of view).

We welcome papers that explore the interplay between geometry, algebra, and numerical computation when designing algorithms for varieties, or provide complexity analysis on the running time of such algorithms.

We are soliciting high-quality original research articles or review articles focused on recent problems concerning algebraic geometry and its applications.

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Special Issue

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and
Informatics, De Montfort
University, The Gateway,
Leicester LE1 9BH, UK

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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