Computer Algebra and Its Applications

Guest Editor:

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Deadline for manuscript submissions:
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Message from the Guest Editor

This special issue collects high-quality original research contributions describing applications of computer algebra already designed, developed and implemented.

A wide variety of topics is covered. We could mention (although this doesn't pretend to be an exhaustive list): logic, verification and development of expert systems using algebraic techniques, artificial intelligence, collaboration with dynamic geometry systems, mathematical education, statistics, discrete mathematics, transportation engineering (railways, shipping, air transportation, etc.), electrical engineering, mechanical engineering, civil engineering, architecture, thermodynamics, etc.

Any computer algebra system (of general purpose or specialized) can be used.

Only research contributions where the role of computer algebra systems (CAS) is key are appropriate for this issue. For instance, a theoretical work where a CAS is used to perform some computations at a certain point or a classroom experience where a CAS is used aren't appropriate. For example, new extensions of CAS for research or educational purposes are appropriate.

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Special Issue

Editor-in-Chief

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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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