Special Issue

Advances in Mathematics Computation for Software Engineering

Message from the Guest Editors

This Special Issue is dedicated to publishing original research papers that explore the intersection of mathematics and software engineering, particularly in the realm of computational advancements. It emphasizes the development of innovative theories and methods that contribute to this dynamic field. These tools are pivotal for mathematical computation and reasoning, especially in their application to scientific and engineering challenges.

A key area of focus is the convergence of mathematical computation with software engineering. This convergence, though highly abstract, is instrumental in advancing computer science. It delves into applied mathematics, particularly discrete mathematics, which plays a crucial role in converting continuous models into discrete forms, thereby facilitating the interaction between computers and human understanding.

Furthermore, this Special Issue highlights the growing importance of mathematical proofs in computer science. These proofs are essential for certifying the reliability of software and hardware systems, offering assurances beyond what testing alone can provide.

Guest Editors

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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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