



Mathematics in Software Reliability and Quality Assurance

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Message from the Guest Editors

Dear Colleagues,

It is well known that every complex system is controlled by software. However, it has been still a challenging issue to develop fault-free software in industry, because it is almost impossible to guarantee/prove that software systems under consideration are fault-free in advance. In this sense, software reliability and quality assurance play a central role in modern software engineering/science.

This special section focuses on the mathematical aspect in software reliability and quality assurance. In this special section, we encourage to submit the latest research results on software reliability and quality assurance. The topics of interest are given in the following, but not limited to:

- Software reliability
- Software quality
- Software verification and validation
- Mathematical foundation of software science and engineering





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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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