Special Issue

Numerical and Computational Methods in Structural Engineering and Mechanics

Message from the Guest Editors

The Special Issue aims to bring together modeling approaches that consider mathematical models, serving as a reference to existing structural engineering and mechanics problems. The key problems addressed in this issue are also the automation and systematization of complex mechanical problems enabling significant time savings, the advantages of merging numerical and computational facets of the problems' solving process and the development of hybrid analytical–numerical techniques. Topics of interest include (but are not limited to) the following:

- Design of robust computational methods and simulations;
- Development of parameter fitting methods and inverse problem strategies in ordinary and partial differential equations;
- Numerical simulation in structural engineering;
- Design optimization of complex structural systems;
- Computational methods in mathematics and structural engineering;
- Integrated numerical/computational methods.

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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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