

Special Issue

Model and Simulation in Structural Engineering

Message from the Guest Editor

This Special Issue aims to publish original research articles covering advances in mathematical models and algorithms, number theory, and simulation methods in structural engineering and aspires to a broad and integrated coverage of these principles and technologies to structural engineering. The scope of this Special Issue encompasses but is not restricted to the following areas: infrastructure engineering; earthquake engineering; constitutive model; structural dynamics; blast engineering; structural reliability/stability; life assessment/integrity; structural health monitoring; performance-based design; multiscale analysis; simulation techniques; efficient numerical calculation method and theory; protective structures; smart structures. Keywords:

- numerical and modeling analysis
- mathematical models
- calculation method
- structural dynamics
- infrastructure engineering
- number theory
- numerical analysis
- constitutive model
- structural health monitoring

Guest Editor

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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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