Special Issue

Numerical Methods for Partial Differential Equation

Message from the Guest Editor

Numerical methods for partial differential equations (PDEs) are a set of techniques used to solve PDE models computationally. Many problems in a wide range of sciences require such solutions. This Special Issue aims to collect original and novel contributions in the field of numerical methods for PDEs on polygonal/polyhedral meshes, including the Weak Galerkin method, the Hybrid Discontinuous method, the Virtual Element method, the Hybrid High-Order method, and other related methods. Topics will cover numerical analysis, mesh generation, and applications of these methods.

Keywords:
- polygonal/polyhedral meshes
- weak Galerkin method
- hybrid discontinuous method
- virtual element method
- hybrid high-order method
- numerical analysis
- partial differential equations (PDEs)
- mesh generation

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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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