

Special Issue

Variational Inequality Problem: Theory, Analysis and Applications

Message from the Guest Editor

Variational inequalities introduced in the early sixties have witnessed explosive growth in theoretical advances, algorithmic development and applications across all disciplines of pure and applied sciences. They combine novel theoretical and algorithmic advances with new application domains. Analysis of these problems requires a blend of techniques from convex analysis, functional analysis and numerical analysis. As a result of the interactions between different branches of mathematics, statistics and engineering sciences, a variety of techniques are suggested for the analysis of various algorithms for solving variational inequalities and related optimization problems. These include minimax problems, which may be extended to the study of artificial intelligence with machine learnings. We invite researchers original research and comprehensive review articles that will stimulate the continuing efforts to numerical analysis for variational inequality problems and fixed-point problems with applications.

Guest Editor

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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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