Special Issue

Computational and Analytical Methods for Inverse Problems

Message from the Guest Editor

The aim of this Special Issue is to gather recent results on analytical and computational methods for inverse problems that appear in various physical systems. In particular, new results on computational and analytical methods for such problems are welcomed. Applications of the existing methods to various fields are also welcomed, such as imaging biological systems, recovering subsurface material properties in elastic/chemical/thermal systems, and recovering interior unknowns from boundary measurements in furnaces/Tokamaks. Theoretical results on the uniqueness, regularity and identifiability of unknown functions/boundaries are also welcomed. New results on the regularization of such problems are also welcomed.

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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