



Numerical Analysis: Inverse Problems—Theory and Applications, 2nd Edition

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Message from the Guest Editor

This Special Issue, “Numerical Analysis: Inverse Problems—Theory and Applications”, will be open for the publication of high-quality mathematical papers in the area of linear and nonlinear inverse ill-posed and well-posed problems.

Inverse problems are called that because they start with the results and then calculate the causes. Solving inverse problems is a non-trivial task that involves many areas of Mathematics and Techniques. In cases where the problem is ill-posed, small errors in the data are greatly amplified in the solution, and therefore, regularization techniques using parameter choice rules with optimal convergence rates are necessary.

Papers involving all those abovementioned topics are welcome. Moreover, this Special Issue offers an opportunity to researchers and practitioners to communicate their ideas.





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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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