



Special Issue on Numerical Analysis

Call for Papers

Numerical analysis is the study of algorithms that use numerical approximation for the problems of mathematical analysis. Numerical analysis naturally finds applications in all fields of engineering and the physical sciences, but in the 21st century also the life sciences and even the arts have adopted elements of scientific computations. Ordinary differential equations appear in celestial mechanics; numerical linear algebra is important for data analysis; stochastic differential equations and Markov chains are essential in simulating living cells for medicine and biology.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on **numerical analysis**. Potential topics include, but are not limited to:

- Truncation and discretization error
- Numerical stability and well-posed problems
- Interpolation, extrapolation, and regression
- Optimization
- Discretization and numerical integration
- Direct and iterative methods
- Application of numerical analysis

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue – Numerical Analysis**” should be chosen during your submission.

According to the following timetable:

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Publication Date	January 2018

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