Numerical Solution of Differential Equations and Their Applications

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Message from the Guest Editors

This is an upcoming Special Issue of *Mathematics* that aims to explore recent developments in numerical methods for solving differential equations, and their applications in various fields of science and engineering.

The topics of interest for this Special Issue include, but are not limited to:

1. Numerical methods for solving ODEs
2. Numerical methods for solving PDEs
3. High-order numerical methods for differential equations
4. Error analysis and convergence of numerical methods for differential equations
5. Applications of numerical methods for differential equations
6. Adaptive numerical methods for differential equations

This Special Issue invites original research articles and review articles that present novel ideas and developments in the numerical solution of differential equations and/or their applications in science and engineering. The aim is to provide a platform for researchers to share their latest findings and to stimulate further research in this exciting field. The guest editors welcome submissions that address the above topics or related areas and provide new insights and solutions to the challenges faced by researchers and practitioners.

Special Issue

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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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