Numerical Methods for Differential Equations and Applications

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Message from the Guest Editor

Differential equations with boundary conditions arise from many applications in engineering, biology, electrodynamics, quantum mechanics, physics. The numerical methods are essential for solving this kind of problems, especially, when the solutions are particularly stiff and high accuracy is difficult to be reached. Moreover, in many cases the problems can be singularly perturbed, singular, with discontinuous source terms, non-local, so that numerical methods can require to adopt a mesh adaptation to get an accurate solution. This special issue has the aim to collect latest development on the numerical methods solving boundary value problems that could also arise from real applications.

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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