Special Issue

Numerical Analysis and Scientific Computing for Applied Mathematics

Message from the Guest Editor

Numerical analysis is a natural link between pure mathematics and computer science. This Special Issue of *Mathematics*, entitled "Numerical Analysis and Scientific Computing for Applied Mathematics", invites the submission of both original research and review papers that bring together new methods of numerical analysis and scientific computing for use in applied mathematics. Articles can involve theory, algorithms, programming, coding, numerical simulation and/or novel applications of computational techniques to problems in science and engineering. Potential topics of interest include, but are not limited to: approximation theory, methods of numerical linear algebra, numerical methods for solving non-linear equations and systems, methods of numerical differentiation and integration (quadrature and cubature), optimization methods, finite element methods, finite difference methods, finite volume methods, meshless and particle methods, numerical methods for ordinary and partial differential equations, numerical methods for integral equations, etc., and their applications for solving real problems in areas of science and engineering.

Guest Editor

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Deadline for manuscript submissions

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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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