

Special Issue

Recent Developments and Applications of Numerical Methods in Computational Fluid Dynamics

Message from the Guest Editors

Computational fluid dynamics (CFD) has been applied in various fields, including weather simulation, aerodynamics, heat transfer and thermal management, and electronic cooling simulation. Nevertheless, the challenge of developing effective and accurate algorithms for CFD still remains. This Special Issue invites researchers to submit original research articles and/or comprehensive reviews on or related to efficient and accurate numerical methods for CFD, including, but not limited to, conventional methods—finite element method, finite difference, finite volume method, discontinuous Galerkin, domain decomposition, etc.—and novel iterative methods—Anderson acceleration, preconditioning techniques, and so on. It is important to emphasize that CFD covers a wide range of research areas, of which there are too many to mention in a short summary. We also encourage authors conducting CFD studies in other areas to submit their work.

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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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