Advanced Computational Methods for Fluid Dynamics and Applications

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Fluid flows are commonplace; however, we still cannot solve most fluid mechanical problems without the use of computational methods. Over the last thirty years, there have been significant progresses in computational methods for fluid flow. This Special Issue presents the recent achievements in the area.

Any theoretical research and practical applications in computational methods for fluid flows are welcome. The topics may include mesh generation, numerical methods for the mathematical models in fluid dynamics, experimental studies showing the validity of computational methods for fluid flows, and numerical simulations of fluid flows.

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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