

A New Journal from Wiley

International Journal for

# Numerical Methods in FLUIDS

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The advent of large core, powerful digital computers has enabled engineers and scientists to make significant progress in the solution of previously intractable problems. Indeed, it is now possible to assess the validity of previously unproven fundamental concepts as related to complex engineering problems. This above trend is particularly apparent in fluid mechanics, where there is an increasing need to test previously advocated fundamental concepts and development of new computer based numerical techniques. Indeed, it is now apparent that new concepts can be tested via numerical methods. The main objective of the Journal "Numerical Methods in Fluids", is to provide a readily accessible reference for technologists and scientists engaged in computer aided design and research into fluid flow. It is anticipated that the topics suitable for inclusion would range from potential flow through to problems where turbulence is the dominant feature.

The expressed intention of the Journal is the dissemination of information relating to the development and refinement of computer based numerical techniques for solving problems in fluids. These include the Finite Difference and Finite Element methods, in each of which the manner of imposing boundary conditions to obtain a numerical solution can be quite important. The submission of manuscripts in which the primary contribution is experimental is encouraged, if such results are compared with previously published numerical techniques. Indeed, papers presenting closed form solutions directly related to engineering problems and demonstrated to be effective will also be published.

Whilst it is not practicable to publish complete computer codes, the salient features of a new code will be accepted as technical notes which should include examples illustrating the advantages of the techniques. It is envisaged that such codes should be made available at the discretion of the authors. Contributions relating to aids in teaching and design will be processed in a similar manner.

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