



Finite-Difference Techniques for Vectorized Fluid Dynamics Calculations

By -

Springer. Paperback. Book Condition: New. Paperback. 236 pages. Dimensions: 8.9in. x 5.9in. x 0.5in. This book describes several finite-difference techniques developed recently for the numerical solution of fluid equations. Both convective (hyperbolic) equations and elliptic equations (of Poissons type) are discussed. The emphasis is on methods developed and in use at the Naval Research Laboratory, although brief descriptions of competitive and kindred techniques are included as background material. This book is intended for specialists in computational fluid dynamics and related subjects. It includes examples, applications and source listings of program modules in Fortran embodying the methods.

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