



Computational Methods for Fluid Dynamics

By Joel H. Ferziger

Springer-Verlag GmbH Nov 2001, 2001. Taschenbuch. Book Condition: Neu. 236x156x30 mm. Neuware - In its 3rd revised and extended edition the book offers an overview of the techniques used to solve problems in fluid mechanics on computers and describes in detail those most often used in practice. Included are advanced techniques in computational fluid dynamics, like direct and large-eddy simulation of turbulence, multigrid methods, parallel computing, moving grids, structured, block-structured and unstructured boundary-fitted grids, free surface flows. The 3rd edition contains a new section dealing with grid quality and an extended description of discretization methods. The book shows common roots and basic principles for many apparently different methods. The book also contains a great deal of practical advice for code developers and users, it is designed to be equally useful to beginners and experts. 423 pp. Englisch.



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