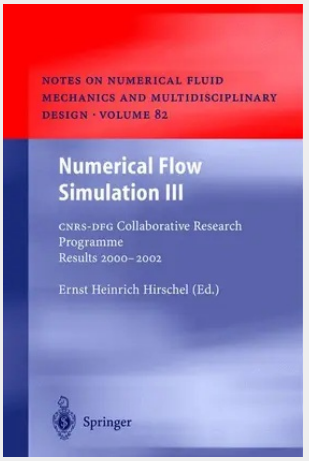
Hirschel

Numerical Flow Simulation III

CNRS-DFG Collaborative Research Programme Results 2000-2002

This volume contains eighteen reports on work, which is conducted since 2000 in the Collaborative Research Programme 'Numerical Flow Simulation' of the Centre National de la Recherche Scientifique (CNRS) and the Deutsche Forschungsgemeinschaft (DFG). French and German engineers and mathematicians present their joint research on the topics 'Development of Solution Techniques', 'Crystal Growth and Melts', 'Flows of Reacting Gases, Sound Generation' and 'Turbulent Flows'. In the background of their work is the still strong growth of the performance of super-computer architectures, which, together with large advances in algorithms, is opening vast new application areas of numerical flow simulation in research and industrial work. Results of this programme from the period 1996 to 1998 have been presented in NNFM 66 (1998), and NNFM75 (2001).

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160,49 €
149,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540441304
Medium: Buch
ISBN: 978-3-540-44130-4
Verlag: Springer
Erscheinungstermin: 14.11.2002
Sprache(n): Englisch
Auflage: 2003
Serie: Notes on Numerical Fluid Mechanics and Multidisciplinary Design
Produktform: Gebunden
Gewicht: 1340 g
Seiten: 288
Format (B x H): 160 x 241 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)