

PREFACE

This volume of CFD Review consists of 25 papers covering different areas of current interest. The authors are from: USA (5), Europe (11), and Asia (9) representing academia, industry, and research centers. The volume is divided into seven sections:

- Section 1: Unstructured Grids and Adaptive Finite Element Methods (3)
- Section 2: High-Order Efficient Schemes (8)
(Discontinuous Galerkin, Residual Distribution, Fluctuating Splitting, WENO Schemes and Multi-dimensional Limiters)
- Section 3: Simulations of Turbulent Flows and Orthogonal Decomposition Method (2)
- Section 4: Chemically Reacting Flows (2)
- Section 5: Aero-acoustics (2)
- Section 6: Optimization Techniques (2)
- Section 7: Special Topics (6)
(CFD in Japan, Magneto-Fluid-Dynamics, Stability of Transonic Flows, Level Set Method for Bi-Fluid Dynamics, Multi-scale Analysis of Particle Growth and Wavelet Methods for CFD)

The Editors hope that these papers will help the researchers in their respective fields to advance the state-of-the-art of CFD.

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