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Introduction to Computational Fluid Dynamics is a textbook for advanced undergraduate and first year graduate students in mechanical, aerospace and chemical engineering. The book emphasizes understanding CFD through physical principles and examples. The author follows a consistent philosophy of control volume formulation of the fundamental laws ...

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His main research interests include computational fluid dynamics, simulation of moving boundary problems, and simulation of convective heat transfer for external and internal flows. He currently teaches courses on Fluid Mechanics, Heat Transfer, Fluid Dynamics, Computational Methods in Thermal and Fluid Engineering, and Computational Fluid Dynamics and Heat Transfer.

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