

Fluid Dynamics: Theoretical and Computational Approaches, Third Edition

Z.U.A. Warsi



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After laying the groundwork in theoretical fluid dynamics, independent of any particular coordinate system in order to allow coordinate transformation of the equations, the author turns to the technique of writing Navier–Stokes and Euler's equations, flow of inviscid fluids, laminar viscous flow, and turbulent flow. He also includes requisite mathematics in several "Mathematical Expositions" at the end of the book and provides abundant end-of-chapter problems.

New example problems and exercises that reflect new and important topics of current interest By integrating a strong theoretical foundation with practical computational tools, **Fluid Dynamics: Theoretical and Computational Approaches, Third Edition** is an indispensable guide to the methods needed to solve new and unfamiliar problems in fluid dynamics.

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