



Gas Dynamics, Fourth Edition

By Ethirajan Rathakrishnan

PHI Learning, 2012. Softcover. Book Condition: New. 4th edition. 16 x 24 cm. This revised and updated fourth edition continues to provide the most accessible and readable approach to the study of all the vital topics and issues associated with gas dynamic processes. At every stage, the physics governing the process, its applications and limitations are discussed in depth. With a strong emphasis on the basic concepts and problem-solving skills, this text is suitable for a course on Gas Dynamics/Compressible Flows/High-speed Aero-dynamics at both undergraduate and postgraduate levels in aerospace engineering, mechanical engineering, chemical engineering and applied physics. The elegant and concise style of the book, along with illustrations and worked examples, makes it eminently suitable for self-study by scientists and engineers working in the field of gas dynamics in industries and research laboratories. Some of the Distinguishing Features of the Book : Concise coverage of the thermodynamic concepts to serve as a revision of the background material. Logical and systematic treatment of fundamental aspects of gas dynamics, waves in the supersonic regime and gas dynamic processes. In-depth presentation of potential equations for compressible flows, similarity rule and two-dimensional compressible flows. Introduction to measurements in compressible flows and optical flow...



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