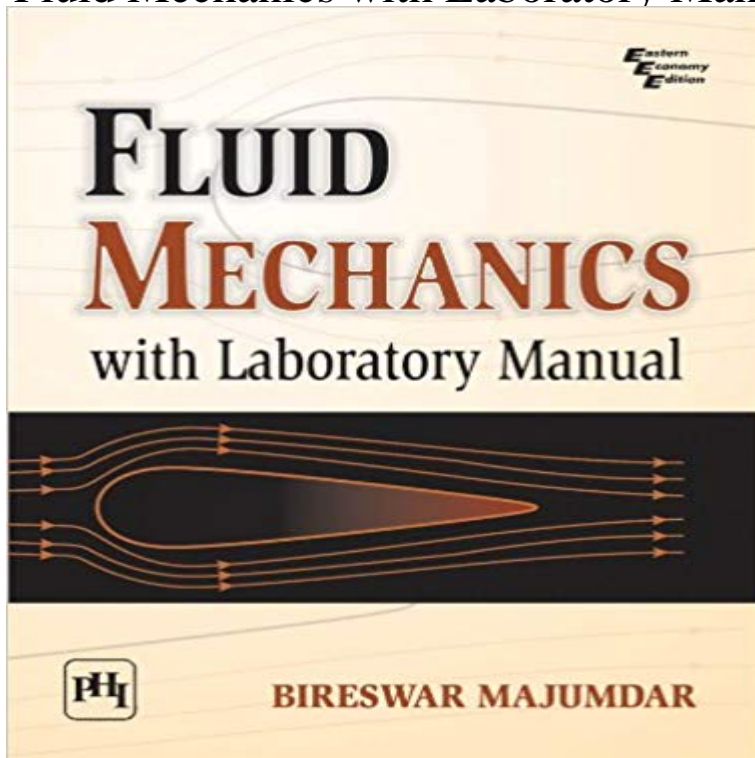


Fluid Mechanics with Laboratory Manual



Primarily intended for the undergraduate students of mechanical engineering, civil engineering, chemical engineering and other branches of applied science, this book presents a comprehensive coverage of the basic laws of fluid mechanics. The text also discusses the solutions of fluid-flow problems that are modelled by differential equations. Emphasis is placed on formulating and solving typical problems of engineering practice. The text introduces the principle of fluid mechanics in a well organized manner, beginning with the simple and proceeding to the complex. The aim of laboratory manual at the end of chapters is to teach the students, how to conduct experiments in fluid mechanics. It provides the step-wise details of experiments which include objective, theory of the experiment, apparatus used in the experiment, procedure, observations, and graphs to be plotted. Chapter-end exercises enable the students to recapture the topics discussed and drill them in the theory. Finally, the workedout examples with solutions are useful to readers in comprehending the problems discussed. The book would also prove to be a useful ready reference for the first-level postgraduate student.

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