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examples and problems and applications of visual components of fluid mechanics, this important work offers comprehensive topical coverage and helps students gradually develop their problem-solving abilities. Each important concept is introduced in easy-to-understand terms before more complicated examples are discussed. Continuing this book's tradition of extensive

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all the important elements of a pump stage are included. Particular attention is paid to the impeller and the diffuser, which are the key elements in achieving the necessary head rise. Inlets, volutes, collectors, and return channels are also discussed in depth. Extensive use is made of the graphs, line drawings, and photographs. The text includes several hundred references which cover

all of the important developments into the technology base over the past forty years. Computational fluid dynamics (CFD) and experimental testing are emphasized as essential parts of the design review process. [Source : d'après la 4e de couverture]. Munson, Young and Okiishki's Fundamentals of Fluid Mechanics, 8e Abridged Print Companion with WileyPlus LMS Card Set

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This textbook provides a concise introduction to the mathematical theory of fluid motion with the underlying physics. Different branches of fluid mechanics are developed from general to specific topics. At the end of each chapter carefully designed problems are assigned as homework, for which selected fully worked-out solutions are provided. This

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there are more videos designed to aid and enhance comprehension, support visualization skill building and engage students more deeply with the material and concepts. *Munson, Young and Okiishki's Fundamentals of Fluid Mechanics, 8e Abridged Print Companion and Wiley E-Text Reg Card Set* Wiley Written with the second-year engineering students of undergraduate level in

mind, this well set out textbook explains the fundamentals of Fluid Mechanics. Written in question-answer form, the book is precise and easy to understand. The book presents an e *Munson, Young and Okiishi's Fundamentals of Fluid Mechanics, 8e WileyPLUS LMS Card* Addison Wesley Publishing Company Munson, Young, and Okiishi's Fundamentals

of Fluid Mechanics is intended for undergraduate engineering students for use in a first course on fluid mechanics. Building on the well-established principles of fluid mechanics, the book offers improved and evolved academic treatment of the subject. Each important concept or notion is considered in terms of simple and easy-to-understand circumstances

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build upon the understanding of engineering applications of fluid mechanics and the edition has been completely updated to use SI units. Munson, Young and Okiishi's Fundamentals of Fluid Mechanics John Wiley & Sons Basic fluid dynamic theory and applications in a single, authoritative reference The growing capabilities of computational fluid dynamics and the

development of laser velocimeters and other new instrumentation have made a thorough understanding of classic fluid theory and laws more critical today than ever before. Fundamentals of Fluid Mechanics is a vital repository of essential information on this crucial subject. It brings together the contributions of recognized experts from around the world to cover all of the concepts of

classical fluid mechanics- from the basic properties of liquids through thermodynamics, flow theory, and gas dynamics. With answers for the practicing engineer and real-world insights for the student, it includes applications from the mechanical, civil, aerospace, chemical, and other fields. Whether used as a refresher or for first-time learning, Fundamentals of Fluid Mechanics is

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mechanics in

a concise and

mathematicall

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understandabl

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presentation.

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dissipation

and viscous

potential flows

has been

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This book provides a comprehensive and wide-ranging introduction to fluid mechanics, assuming only a basic knowledge of calculus and physics. Introduces fluid mechanics within the context of a broad range of topics and disciplines by combining elements and concepts from different disciplines as is often found

in solutions to engineering problems. The book integrates a discussion of fluid flow phenomena with that of other subjects, such as Solid Mechanics, Heat Transfer, Thermodynamics, and others. It also includes discussions of other fields of specialization often used to solve engineering problems, such as chemistry, biology, economics, sociology, and others. And, it integrates the use of

computers and modern experimental techniques. The first edition of Introduction to Fluid Mechanics provides a unique thematic organization and divides the material into three sections: Theory. This section is divided into four categories: Introduction, Conservation Laws, Fluid Kinematics, and Fluid Dynamics. Analysis. In this section, procedures such as

Dimensionless Analysis, Analytics, Experimental and Numerical Solutions are introduced and applied to fundamental problems. Special Topics. Topics such as ideal, inviscid flow, compressible flow, and dynamics of rotating fluids are reserved for separate chapters. The book also introduces ideas from computational and experimental fluid mechanics. An essential reference for all

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Munson, Young and Okiishi's Fundamentals of Fluid Mechanics, WileyPLUS Card with

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This book discusses the fundamental principles and equations governing the motion of incompressible Newtonian fluids, and simultaneously introduces numerical methods for solving a broad range of problems. Appendices provide a wealth of information that establishes the necessary mathematical and computational framework.
Munson, Young and

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Dive right into everyday examples, practical problems, and a new e-text! With its effective pedagogy, everyday examples, and outstanding collection of practical problems, it's no wonder Munson, Young, and Okiishi's FUNDAMENTALS OF FLUID MECHANICS is the best-selling fluid mechanics

text. In each new edition, the authors have refined their primary goal of helping you develop the skills and confidence you need to master the art of solving fluid mechanics problems. This new Fourth Edition includes a free CD-ROM containing the e-text-the entire print component of the book in searchable PDF format, plus a chapter on Turbomachines and additional material not in the print

version. Within the PDF pages, hyperlinks allow you to quickly navigate from the list of key concepts to where they are explained in the text, and to the glossary. The e-Text also features: Review problems that link problems with answers and complete worked-out solutions. The Review Problems are identified by the basic principle they demonstrate, enabling you to quickly reference

areas you need to review. 30 Extended laboratory problems that involve actual experimental data for simple experiments. The data for these problems is provided in Excel format. Links to Fluids Phenomena videos, which illustrate various aspects of real-world fluid mechanics. Key Words and Topics linked directly to where those concepts are explained in

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the material and concepts. FLUID MECHANICS: FUNDAMENTALS AND APPLICATIONS, SI John Wiley & Sons Are You Ready to See Fluid Mechanics In Action? This text comes with a free Fluid Mechanics Phenomena CD-ROM that brings fluid mechanics to life! It contains a series of short video segments that illustrate various aspects of real-world fluid mechanics.

Many of the segments show how fluid motion is related to familiar devices and everyday experiences. Each segment also clearly indicates the key fluid mechanics topic being demonstrated and provides a description of the content. Throughout the text you'll find a special video icon that will let you know when it is appropriate to view a particular video clip. The numbering system will

indicate which clip is relevant to the fluid mechanics concepts and theory under discussion. Also Available: The Student Solutions Manual-Easy-to-use study tool with detailed solutions to Review Problems found at the end of each chapter in the text. Wiley: *Creating the Future of Engineering Education Munson, Young and Okiishi's Fundamentals of Fluid Mechanics, 8e WileyPLUS*

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complicated examples are discussed. Continuing this book's tradition of extensive real-world applications, the 8th edition includes more case study boxes in each chapter, new problem types, an increased number of real-world photos, and additional videos to augment the text material and help generate student interest in the topic. Example problems have been updated and

numerous new photographs, figures, and graphs have been included. In addition, there are more videos designed to aid and enhance comprehension, support visualization skill building and engage students more deeply with the material and concepts. *Centrifugal Pump Design and Performance I.* K. International Pvt Ltd This successful textbook emphasizes the unified

nature of all the disciplines of Fluid Mechanics as they emerge from the general principles of continuum mechanics. The different branches of Fluid Mechanics, always originating from simplifying assumptions, are developed according to the basic rule: from the general to the specific. The first part of the book contains a concise but readable introduction into

kinematics and the formulation of the laws of mechanics and thermodynamics. The second part consists of the methodical application of these principles to technology. In addition, sections about thin-film flow and flow through porous media are included. Fluid Mechanics Wiley Structured introduction covers everything the engineer needs to know: nature

of fluids, hydrostatics, differential and integral relations, dimensional analysis, viscous flows, more. Solutions to selected problems. 760 illustrations. 1985 edition. **An Introduction to Fluid Mechanics** John Wiley & Sons Fundamentals of Fluid Mechanics offers comprehensive topical coverage, with varied examples and problems, application of visual

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