

Fluid Mechanics 8th Eighth Edition

Roark's Formulas for Stress and Strain
Fluid Mechanics
Fluid Mechanics
Mechanics of Fluids, Eighth Edition
Designing Effective Instruction
The Higher Arithmetic
Fluid Mechanics
Handbook of Hydraulics, Eighth Edition
CPM in Construction Management
Munson, Young and Okiishi's Fundamentals of Fluid Mechanics
Aircraft Basic Science, Eighth Edition
Fluid Mechanics
Applied Mechanics for Engineering Technology: Pearson New International Edition
A Textbook of Fluid Mechanics and Hydraulic Machines
Perry's Chemical Engineers' Handbook
Engineering Economic Analysis
Introduction to Materials Science for Engineers
Fox and McDonald's Introduction to Fluid Mechanics, 8th Edition
Engineering Your Future
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Fundamentals of Fluid Mechanics
Mechanics of Fluids
Munson, Young and Okiishi's Fundamentals of Fluid Mechanics
Introduction to Engineering Fluid Mechanics
Fox and McDonald's Introduction to Fluid Mechanics, Binder Ready Version
Materials Science and Engineering
Munson, Young and Okiishi's Fundamentals of Fluid Mechanics
Fox and McDonald's Introduction to Fluid Mechanics
College Physics Essentials
Creasy and Resnik's Maternal-Fetal Medicine: Principles and Practice E-Book
Control Systems Engineering
Munson, Young and Okiishi's Fundamentals of Fluid Mechanics, 8E Binder Ready Version with WileyPlus Card Set
The Book of Yields
Engineering Fluid Mechanics
Munson, Young and Okiishi's Fundamentals of Fluid Mechanics, 8th Edition WileyPLUS NextGen Card with Abridged Loose-Leaf Print Companion Set
Mechanics of Materials, SI Edition
Fox and McDonald's Introduction to Fluid Mechanics 8E with WileyPlus
Fluid Mechanics
Carbon Dioxide Capture and Storage
Design of Machine Elements

Roark's Formulas for Stress and Strain

Long recognized as the authoritative leader in the field, Creasy and Resnik's Maternal-Fetal Medicine, 8th Edition, continues to provide the latest evidence-based guidelines for obstetric and neonatal management, helping you minimize complications and offer patients the best possible care. Written by renowned experts in obstetrics, gynecology, and perinatology, this comprehensive resource has been thoroughly updated and reflects new information in every area, including recent tremendous advances in genetics, imaging, and more. Focuses on complicated obstetric issues, highlighting the most commonly encountered anomalies and providing clear guidelines for obstetric and neonatal management. Offers comprehensive updates on rapidly changing topics, including a completely revised section on genetics and genetic technology for prenatal diagnoses, as well as an expanded imaging section on abdominal, urogenital, and skeletal imaging. Includes four new chapters: Molecular Genetic Technology, MRI in Obstetrical Imaging, Obesity in Pregnancy, and Pregnancy as a Window to Future Health. Features numerous flow charts for quick access to diagnosis and treatment protocols and to clarify complex material. Presents the knowledge and expertise of new editors Dr. Joshua Copel, an expert in the field of fetal therapy who has pioneered new diagnostic techniques for unborn patients and their mothers, and Dr. Robert Silver, a leader in the maternal-fetal medicine community.

Fluid Mechanics

Fluid Mechanics

Fully Updated Hydraulics Engineering Concepts, Methods, and Practices This thoroughly revised resource offers comprehensive coverage of every aspect of hydraulics. Handbook of Hydraulics, Eighth Edition, features the latest data and computational modeling techniques and clearly explains cutting-edge methods, processes, and technologies. You will get more than 80 dependable tables and graphs, sample equations, and real-world examples. This single source for on-the-job hydraulics engineering information will save time and ensure accuracy in performing hydraulic calculations. Coverage includes: •Fluid properties and hydraulic units •Hydrostatics •Fundamental concepts of fluid flow •Orifices, gates, and valves •Weirs •Pipes •Steady uniform flow in open channels •Open channels with non-uniform flow •High-velocity transitions •Wave motion and forces •Spatially variable and unsteady flow •Measurement of flowing water •Computational hydraulics •Physical and mathematical modeling of hydraulic structures

Mechanics of Fluids, Eighth Edition

1. Tension, Compression, and Shear Introduction to Mechanics of Materials. Problem-Solving Approach. Statics Review. Normal Stress and Strain. Mechanical Properties of Materials. Elasticity, Plasticity, and Creep. Linear Elasticity, Hooke's Law, and Poisson's Ratio. Shear Stress and Strain. Allowable Stresses and Allowable Loads. Design for Axial Loads and Direct Shear. 2. Axially Loaded Members. Introduction. Changes in Lengths of Axially Loaded Members. Changes in Lengths under Nonuniform Conditions. Statically Indeterminate Structures. Thermal Effects, Misfits, and Prestrains. Stresses on Inclined Sections. Strain Energy. Impact Loading. Repeated Loading and Fatigue. Stress Concentrations. Nonlinear Behavior. Elastoplastic Analysis 3. Torsion. Introduction. Torsional Deformations of a Circular Bar. Circular Bars of Linearly Elastic Materials. Nonuniform Torsion. Stresses and Strains in Pure Shear. Relationship Between Moduli of Elasticity E and G . Transmission of Power by Circular Shafts. Statically Indeterminate Torsional Members. Strain Energy in Torsion and Pure Shear. Torsion of Noncircular Prismatic Shafts. Thin-Walled Tubes. Stress Concentrations in Torsion. 4. Shear Forces and Bending Moments. Introduction. Types of Beams, Loads, and Reactions. Shear Forces and Bending Moments. Relationships Among Loads, Shear Forces, and Bending Moments. Shear-Force and Bending-Moment Diagrams. 5. Stresses in Beams (Basic Topics). Introduction. Pure Bending and Nonuniform Bending. Curvature of a Beam. Longitudinal Strains in Beams. Normal Stress in Beams (Linearly Elastic Materials). Design of Beams for Bending Stresses. Nonprismatic Beams. Shear Stresses in Beams of Rectangular Cross Section. Shear Stresses in Beams of Circular Cross Section. Shear Stresses in the Webs of Beams with Flanges. Built-Up Beams and Shear Flow. Beams with Axial Loads. Stress Concentrations in

Bending 6. STresses in Beams (Advanced Topics). INTRODUCTION. COMPOSITE BEAMS. TRANSFORMED-SECTION METHOD. DOUBLY SYMMETRIC BEAMS WITH INCLINED LOADS. BENDING OF UNSYMMETRIC BEAMS. THE SHEAR-CENTER CONCEPT. SHEAR STRESSES IN BEAMS OF THIN-WALLED OPEN CROSS SECTIONS. SHEAR STRESSES IN WIDE-FLANGE BEAMS. SHEAR CENTERS OF THIN-WALLED OPEN SECTIONS. ELASTOPLASTIC BENDING. 7. ANALYSIS OF STRESS AND STRAIN. INTRODUCTION. PLANE STRESS. PRINCIPAL STRESSES AND MAXIMUM SHEAR STRESSES. MOHR'S CIRCLE FOR PLANE STRESS. HOOKE'S LAW FOR PLANE STRESS. TRIAXIAL STRESS. PLANE STRAIN. 8. APPLICATIONS OF PLANE STRESS (PRESSURE VESSELS, BEAMS, AND COMBINED LOADINGS). INTRODUCTION. SPHERICAL PRESSURE VESSELS. CYLINDRICAL PRESSURE VESSELS. MAXIMUM STRESSES IN BEAMS. COMBINED LOADINGS. 9. DEFLECTIONS OF BEAMS. INTRODUCTION. DIFFERENTIAL EQUATIONS OF THE DEFLECTION CURVE. DEFLECTIONS BY INTEGRATION OF THE BENDING-MOMENT EQUATION. DEFLECTIONS BY INTEGRATION OF THE SHEAR-FORCE AND LOAD EQUATIONS. METHOD OF SUPERPOSITION. MOMENT-AREA METHOD. NONPRISMATIC BEAMS. STRAIN ENERGY OF BENDING. CASTIGLIANO'S THEOREM. DEFLECTIONS PRODUCED BY IMPACT. TEMPERATURE EFFECTS 10. STATICALLY INDETERMINATE BEAMS. INTRODUCTION. TYPES OF STATICALLY INDETERMINATE BEAMS. ANALYSIS BY THE DIFFERENTIAL EQUATIONS OF THE DEFLECTION CURVE. METHOD OF SUPERPOSITION. TEMPERATURE EFFECTS. LONGITUDINAL DISPLACEMENTS AT THE ENDS OF A BEAM. 11. COLUMNS. INTRODUCTION. BUCKLING AND STABILITY. COLUMNS WITH PINNED ENDS. COLUMNS WITH OTHER SUPPORT CONDITIONS. COLUMNS WITH ECCENTRIC AXIAL LOADS. THE SECANT FORMULA FOR COLUMNS. ELASTIC AND INELASTIC COLUMN BEHAVIOR. INELASTIC BUCKLING. DESIGN FORMULAS FOR COLUMNS. REFERENCES AND HISTORICAL NOTES. APPENDIX A: SYSTEMS OF UNITS AND CONVERSION FACTORS. APPENDIX B: PROBLEM SOLVING. APPENDIX C: MATHEMATICAL FORMULAS. APPENDIX D: REVIEW OF CENTROIDS AND MOMENTS OF INERTIA. APPENDIX E: PROPERTIES OF PLANE AREAS. APPENDIX F: PROPERTIES OF STRUCTURAL-STEEL SHAPES. APPENDIX G: PROPERTIES OF STRUCTURAL LUMBER. APPENDIX H: DEFLECTIONS AND SLOPES OF BEAMS. APPENDIX I: PROPERTIES OF MATERIALS.

Designing Effective Instruction

This package includes a three-hole punched, loose-leaf edition of ISBN 9781119080701 and a registration code for the WileyPLUS course associated with the text. Before you purchase, check with your instructor or review your course syllabus to ensure that your instructor requires WileyPLUS. For customer technical support, please visit <http://www.wileyplus.com/support>. WileyPLUS registration cards are only included with new products. Used and rental products may not include WileyPLUS registration cards. Fundamentals of Fluid Mechanics, Binder Ready Version, 8th Edition offers comprehensive topical coverage, with varied examples and problems, application of visual component of fluid mechanics, and strong focus on effective learning. The text enables the gradual development of confidence in problem solving. Each important concept is introduced in easy-to-understand terms before more complicated examples are discussed.

The Higher Arithmetic

A brief introduction to the field of engineering.

Fluid Mechanics

Tried and true CPM scheduling streamliner. Now in its 5th edition, this must-have resource for using Critical Path Method shows you exactly how to build speed, accuracy, and flexibility into construction project scheduling. CPM in Construction Management by award-winning author James J. O'Brien provides in-depth coverage of Primavera's CPM software which dominates the industry. Brand new CPM software accompanies new example cases that bring you up-to-date with today's construction situations. This complete package helps you run a tight construction ship with all you need to know about: event time computations; procurement; preconstruction; monitoring project progress; cost control; equipment and workforce planning; precedents networks; CPM in claims and litigations; and DOZENS of other CPM factors.

Handbook of Hydraulics, Eighth Edition

Massey has long been a best-selling textbook. This extensively revised and updated eighth edition, like its predecessors, presents the basic principles of the mechanics of fluids in a thorough and clear manner. It provides the essential material for an honours degree course in civil or mechanical engineering, in addition to providing much relevant material for undergraduate courses in aeronautical and chemical engineering. Emphasis is given to a sound physical understanding of fluid flow and its engineering applications, rather than to mathematical techniques. Students are introduced systematically to the subject, with the text moving from the simple to the complex, and from the familiar to the unfamiliar. SI units are used throughout and there are many worked examples. The book is essentially self-contained. The opening chapter has been expanded to provide a broader introduction to fluid mechanics. New topics for this edition include basic applications of complex variable theory, the physics of tsunamis, procedures for the selection of pumps and fans, and the losses for flow through nozzles, orifice meters, perforated plates and gauzes. For lecturers, an accompanying solutions manual is available.

CPM in Construction Management

Given a modern, updated design, this new edition comes complete with 500 new problems, split into different fundamental, applied, design and word categories. Additional material includes pedagogical and motivational aids in the form of Key Equations Cards.

Munson, Young and Okiishki's Fundamentals of Fluid Mechanics

Aircraft Basic Science, Eighth Edition

Fluid Mechanics

NOTE: Before purchasing, check with your instructor to ensure you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, and registrations are not transferable. To register for and use Pearson's MyLab & Mastering products, you may also need a Course ID, which your instructor will provide. Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies other than Pearson, the access codes for Pearson's MyLab & Mastering products may not be included, may be incorrect, or may be previously redeemed. Check with the seller before completing your purchase. For Fluid Mechanics courses found in Civil and Environmental, General Engineering, and Engineering Technology and Industrial Management departments. Fluid Mechanics is intended to provide a comprehensive guide to a full understanding of the theory and many applications of fluid mechanics. The text features many of the hallmark pedagogical aids unique to Hibbeler texts, including its student-friendly clear organization. The text supports the development of student problem-solving skills through a large variety of problems, representing a broad range of engineering disciplines that stress practical, realistic situations encountered in professional practice, and provide varying levels of difficulty. The text offers flexibility in that basic principles are covered in chapters 1-6, and the remaining chapters can to be covered in any sequence without the loss of continuity. Updates to the 2nd Edition result from comments and suggestions from colleagues, reviewers in the teaching profession, and many of the author's students, and include expanded topic coverage and new Example and Fundamental Problems intended to further students' understanding of the theory and its applications. Also available with Mastering Engineering Mastering(tm) Engineering is an online homework, tutorial, and assessment program designed to work with this text to engage students and improve results. Interactive, self-paced tutorials provide individualized coaching to help students stay on track. With a wide range of activities available, students can actively learn, understand, and retain even the most difficult concepts. The text and Mastering Engineering work together to guide students through engineering concepts with a multi-step approach to problems. Note: You are purchasing a standalone product; MyLab(tm)& Mastering(tm) does not come packaged with this content. Students, if interested in purchasing this title with MyLab & Mastering, ask your instructor for the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the physical text and MyLab & Mastering, search for: 0134676610 / 9780134676616 Fluid Mechanics Plus Mastering Engineering with Pearson eText -- Access Card Package, 2/e Package consists of: 0134628772 / 9780134628776 Mastering Engineering with Pearson eText -- Standalone Access Card -- for Fluid Mechanics 013464929X / 9780134649290 Fluid Mechanics

Applied Mechanics for Engineering Technology: Pearson New International Edition

A Textbook of Fluid Mechanics and Hydraulic Machines

NOTE: The Binder-ready, Loose-leaf version of this text contains the same content as the Bound, Paperback version. Fundamentals of Fluid Mechanic, 8th Edition offers comprehensive topical coverage, with varied examples and problems, application of visual component of fluid mechanics, and strong focus on effective learning. The text enables the gradual development of confidence in problem solving. The authors have designed their presentation to enable the gradual development of reader confidence in problem solving. Each important concept is introduced in easy-to-understand terms before more complicated examples are discussed. Continuing this book's tradition of extensive real-world applications, the 8th edition includes more Fluid in the News 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.

Perry's Chemical Engineers' Handbook

As in previous editions, this ninth edition of Massey's Mechanics of Fluids introduces the basic principles of fluid mechanics in a detailed and clear manner. This bestselling textbook provides the sound physical understanding of fluid flow that is essential for an honours degree course in civil or mechanical engineering as well as courses in aeronautical and chemical engineering. Focusing on the engineering applications of fluid flow, rather than mathematical techniques, students are gradually introduced to the subject, with the text moving from the simple to the complex, and from the familiar to the unfamiliar. In an all-new chapter, the ninth edition closely examines the modern context of fluid mechanics, where climate change, new forms of energy generation, and fresh water conservation are pressing issues. SI units are used throughout and there are many worked examples. Though the book is essentially self-contained, where appropriate, references are given to more detailed or advanced accounts of particular topics providing a strong basis for further study. For lecturers, an accompanying solutions manual is available.

Engineering Economic Analysis

Introduction to Materials Science for Engineers

This new edition of College Physics Essentials provides a streamlined update of a major textbook for algebra-based physics. The first volume covers topics such as mechanics, heat, and thermodynamics. The second volume covers electricity, atomic, nuclear, and quantum physics. The authors provide emphasis on worked examples together with expanded problem sets that build from conceptual understanding to numerical solutions and real-world applications to increase reader engagement. A companion website with follow-up exercises and answers will also aid students to gain more practice on basic concepts and problems. Including over 900 images throughout the two volumes, this textbook is highly recommended for students seeking a basic understanding of key physics concepts and how to apply them to real-world problems.

Fox and McDonald's Introduction to Fluid Mechanics, 8th Edition

Engineering Your Future

The science of fluid mechanics is developing at a rapid rate. It has developed higher levels of understanding that have led to sophisticated designs and applications of fluid systems. Still there are many areas in which only rudimentary information and physical models are available. It provides introduction to fluids, trends in fluid mechanics and covers subjects like fluid properties, fluid motion, surface resistance and many other topics.

Perry's Chemical Engineers' Handbook

Through ten editions, Fox and McDonald's Introduction to Fluid Mechanics has helped students understand the physical concepts, basic principles, and analysis methods of fluid mechanics. This market-leading textbook provides a balanced, systematic approach to mastering critical concepts with the proven Fox-McDonald solution methodology. In-depth yet accessible chapters present governing equations, clearly state assumptions, and relate mathematical results to corresponding physical behavior. Emphasis is placed on the use of control volumes to support a practical, theoretically-inclusive problem-solving approach to the subject. Each comprehensive chapter includes numerous, easy-to-follow examples that illustrate good solution technique and explain challenging points. A broad range of carefully selected topics describe how to apply the governing equations to various problems, and explain physical concepts to enable students to model real-world fluid flow situations. Topics include flow measurement, dimensional analysis and similitude, flow in pipes, ducts, and open channels, fluid machinery, and more. To enhance student learning, the book incorporates numerous pedagogical features including chapter summaries and learning objectives, end-of-chapter problems, useful equations, and design and open-ended problems that encourage students to apply fluid mechanics principles to the design of devices and systems.

Fundamentals of Fluid Mechanics

Mechanics of Fluids

Munson, Young and Okiishi's Fundamentals of Fluid Mechanics

The ultimate resource for designers, engineers, and analyst working with calculations of loads and stress.

Introduction to Engineering Fluid Mechanics

This book includes many new, enhanced features and content. Overall, the text integrates two success stories of practicing instructional designers with a focus on the process of instructional design. The text includes stories of a relatively new designer and another with eight to ten years of experience, weaving their scenarios into the chapter narrative. Throughout the book, there are updated citations, content, and information, as well as more discussions on learning styles, examples of cognitive procedure, and explanations on sequencing from cognitive load theory.

Fox and McDonald's Introduction to Fluid Mechanics, Binder Ready Version

IPCC Report on sources, capture, transport, and storage of CO₂, for researchers, policy-makers and engineers.

Materials Science and Engineering

Munson, Young and Okiishi's Fundamentals of Fluid Mechanics

Perry's is the most authoritative, comprehensive and best selling book in chemical engineering. In order to make it portable, easily searchable and to add some interactive features to it we have decided to develop an electronic version of this classic work. The electronic product will maintain the integrity of the handbook so that print user will feel completely comfortable with electronic. This means that the extensive table of contents and index will have a hyperlink to the appropriate section of the book. The electronic product will have complete boolean search capability. The user will also be able to print out page

or pages of the book they desire. Another important feature of the electronic version of Perry's is there will be active tables, graph and charts that the user can manipulate. This product will run on both IBM Compatibles and MacIntosh computers.

Fox and McDonald's Introduction to Fluid Mechanics

We inhabit a world of fluids, including air (a gas), water (a liquid), steam (vapour) and the numerous natural and synthetic fluids which are essential to modern-day life. Fluid mechanics concerns the way fluids flow in response to imposed stresses. The subject plays a central role in the education of students of mechanical engineering, as well as chemical engineers, aeronautical and aerospace engineers, and civil engineers. This textbook includes numerous examples of practical applications of the theoretical ideas presented, such as calculating the thrust of a jet engine, the shock- and expansion-wave patterns for supersonic flow over a diamond-shaped aerofoil, the forces created by liquid flow through a pipe bend and/or junction, and the power output of a gas turbine. The first ten chapters of the book are suitable for first-year undergraduates. The latter half covers material suitable for fluid-mechanics courses for upper-level students. Although knowledge of calculus is essential, this text focuses on the underlying physics. The book emphasizes the role of dimensions and dimensional analysis, and includes more material on the flow of non-Newtonian liquids than is usual in a general book on fluid mechanics -- a reminder that the majority of synthetic liquids are non-Newtonian in character.

College Physics Essentials

Fundamentals of Fluid Mechanics, 8e Global Edition offers comprehensive topical coverage, with varied examples and problems, application of visual component of fluid mechanics, and strong focus on effective learning. The text enables the gradual development of confidence in problem solving. Each important concept is introduced in easy-to-understand terms before more complicated examples are discussed.

Creasy and Resnik's Maternal-Fetal Medicine: Principles and Practice E-Book

For courses in Applied Mechanics, Statics/Dynamics, or Introduction to Stress Analysis. Featuring a non-calculus approach, this introduction to applied mechanics text combines a straightforward, readable foundation in underlying physics principles with a consistent method of problem solving. It presents the physics principles in small elementary steps; keeps the mathematics at a reasonable level; provides an abundance of worked examples; and features problems that are as practical as possible without becoming too involved with many extraneous details. This edition features 7% more problems, an enhanced layout and design and a logical, disciplined approach that gives students a sound background in core statics and dynamics competencies.

Control Systems Engineering

The Platinum Edition presents the complete content of Perry's Chemical Engineer's Handbook, Seventh Edition, in both print and electronic formats packaged together and now available at one great price. The print Handbook is the world renowned source to chemical engineering practices--covering everything from the fundamentals to details on computer applications and control, as well as the newest advances in your field. The accompanying CD, with its extensive graphics and fast problem-solving capabilities, is the perfect interactive complement to the text. This exclusive set is expressively designed for engineers with the highest standards--professionals who will settle for nothing less than the outstanding, superior-quality reference tools in this Platinum Edition. Two great reference tools--available at one great price! On the CD-ROM *The entire text of Perry's Chemical Handbook, Seventh Edition *75 interactive equations *On-screen problem-solving: math formulas, calculations, graphs, and tables *Automatic conversions from U.S. to metric (SI) standard units *Fully searchable Adobe Acrobat format *Hyperlinked Table of Contents and Index Minimum System Requirements PC with 486 or higher processor Microsoft Windows 3.1, Windows 95, or Windows NT 3.5.1 or later / 16 MB of RAM 25 MB of available hard-disk space SVGA monitor / 2x CD-ROM drive / Mouse

Munson, Young and Okiishi's Fundamentals of Fluid Mechanics, 8E Binder Ready Version with WileyPlus Card Set

The theory of numbers is generally considered to be the 'purest' branch of pure mathematics and demands exactness of thought and exposition from its devotees. It is also one of the most highly active and engaging areas of mathematics. Now into its eighth edition The Higher Arithmetic introduces the concepts and theorems of number theory in a way that does not require the reader to have an in-depth knowledge of the theory of numbers but also touches upon matters of deep mathematical significance. Since earlier editions, additional material written by J. H. Davenport has been added, on topics such as Wiles' proof of Fermat's Last Theorem, computers and number theory, and primality testing. Written to be accessible to the general reader, with only high school mathematics as prerequisite, this classic book is also ideal for undergraduate courses on number theory, and covers all the necessary material clearly and succinctly.

The Book of Yields

There are two WileyPLUS platforms for this title, so please note that you should purchase this version if your course code starts with an "A". This package includes a loose-leaf edition of Fundamentals of Fluid Mechanics, 8th Edition, a new WileyPLUS registration code, and 6 months access to the eTextbook (accessible online and offline). For customer technical support, please visit <http://www.wileyplus.com/support>. WileyPLUS registration cards are only included with new products.

Used and rental products may not include valid WileyPLUS registration cards. Fundamentals of Fluid Mechanic, 8th Edition offers comprehensive topical coverage, with varied examples and problems, application of visual component of fluid mechanics, and strong focus on effective learning. The text enables the gradual development of confidence in problem solving. The authors have designed their presentation to enable the gradual development of reader confidence in problem solving. Each important concept is introduced in easy-to-understand terms before more 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.

Engineering Fluid Mechanics

Munson, Young and Okiishi's Fundamentals of Fluid Mechanics, 8th Edition WileyPLUS NextGen Card with Abridged Loose-Leaf Print Companion Set

The eighth edition of White's Fluid Mechanics offers students a clear and comprehensive presentation of the material that demonstrates the progression from physical concepts to engineering applications and helps students quickly see the practical importance of fluid mechanics fundamentals. The wide variety of topics gives instructors many options for their course and is a useful resource to students long after graduation. The book's unique problem-solving approach is presented at the start of the book and carefully integrated in all examples. Students can progress from general ones to those involving design, multiple steps and computer usage.

Mechanics of Materials, SI Edition

The only product with yield information for more than 1,000 raw food ingredients, The Book of Yields, Eighth Edition is the chef's best resource for planning, costing, and preparing food more quickly and accurately. Now revised and updated in a new edition, this reference features expanded coverage while continuing the unmatched compilation of measurements, including weight-to-volume equivalents, trim yields, and cooking yields. With helpful worksheets; a clear organisation by food type; and a convenient, durable comb binding, The Book of Yields, Eighth Edition is a must-have culinary resource.

Fox and Mcdonald's Introduction to Fluid Mechanics 8E with WileyPlus

Learn the latest technologies needed to pass the FAA airframe and powerplant maintenance certification! Aircraft Basic Science, Eighth Edition, is a valuable resource for students of aviation technology that provides updated information needed to prepare for an FAA airframe and powerplant maintenance certification. This expanded edition includes recent advances in technology, such as the use of composite aircraft materials, with revised examples and figures to more accurately reflect the state of the industry. For easy reference, chapters are illustrated and present specific aspects of aircraft materials, fabrication processes, maintenance tools, and federal aviation regulations. This updated edition includes: The use, inspection, and fabrication of composite structures, including honeycomb, fiberglass, and carbon fiber materials 4-page full-color insert Hypersonic flight aerodynamics as they apply to high-speed aircraft and space reentry vehicles Tilt rotor aircraft aerodynamics and design New alloys and processes used in aircraft such as powered aluminum and friction stir welding Relevant ICAO/EASA (European and international) rules and regulations including maintenance and repair organizations (MROs), the NASA safety reporting system, ATA systems, the electronic document retrieval system, and recordkeeping systems Ground handling and safety for large, airline-style aircraft New alternative fuels under development including bio and other synthetic fuels FAA Airframe and Powerplant certification requirements needed to perform and approve aircraft maintenance

Fluid Mechanics

Original edition: Munson, Young, and Okiishi in 1990.

Carbon Dioxide Capture and Storage

Through seven editions, Fox's Introduction to Fluid Mechanics has been one of the most widely adopted textbooks in the field. This new eighth edition continues to provide readers with a balanced and comprehensive approach to mastering critical concepts, incorporating a proven problem-solving methodology that helps readers develop an orderly plan to finding the right solution, including relating results to expected physical behavior. The eighth edition features co-author, Philip Pritchard, has introduced new material to motivate readers interest in fluid mechanics through exciting applications, such as case studies relating to Energy and the Environment ISSUES, and new videos demonstrating fluid mechanics principles.

Design of Machine Elements

Fox & McDonald's Introduction to Fluid Mechanics 9th Edition has been one of the most widely adopted textbooks in the field. This highly-regarded text continues to provide readers with a balanced and comprehensive approach to mastering critical concepts, incorporating a proven problem-solving methodology that helps readers develop an orderly plan to finding

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the right solution and relating results to expected physical behavior. The ninth edition features a wealth of example problems integrated throughout the text as well as a variety of new end of chapter problems.

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