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Principles of Engineering Thermodynamics, 8th Edition SI Version with WileyPLUS Learning Space Card Set Physical Metallurgy Principles - SI Version Principles of Engineering Thermodynamics, SI Edition Principles of Engineering Thermodynamics **Physical Metallurgy Principles Physical Metallurgy Principles - SI Version Principles of Modern Manufacturing Principles of Engineering Thermodynamics, SI Edition Principles of Engineering Thermodynamics Principles of Foundation Engineering, SI Edition** **ISM - Physical Metallurgy Principles SI Edition Principles of Geotechnical Engineering Principles of Refrigeration 2ND Edition SI Version Sea Principles of Engineering Thermodynamics, SI Edition Principles of Geotechnical Engineering, SI Edition Principles of Geotechnical Engineering, SI Edition** Moran's Principles of Engineering Thermodynamics, 9e SI Global Edition with WileyPLUS Card Set **Introduction to Geotechnical Engineering Principles of Geotechnical Engineering - SI Version Moran's Principles of Engineering Thermodynamics** General Chemistry First Course in the Finite Element Method, Enhanced Edition, SI Version Principles of Geotechnical Engineering Solutions Manual for General Chemistry Principles and Structures 4TH Edition SI Version Groover's Principles of Modern Manufacturing Study Guide for General Chemistry, Principles and Structure, 2nd Ed., SI Version Fundamentals of Chemical Engineering Thermodynamics, SI Edition Principles of Foundation Engineering Principles of Engineering Thermodynamics Study Guide for General Chemistry Principles and Structure 3RD Ed SI Version Groover's Principles of Modern Manufacturing SI Version, Global Edition with WileyPLUS Card Set Principles of Heat Transfer, SI Edition Chemical Engineering Design Useful Principles in Chemistry for Agriculture and Nursing Students, 2nd Edition International MindTap Engineering Instant Access Solutions Manual for General Chemistry Principles and Structure 3E SI Version Engineering Mechanics: Dynamics, SI Edition Mechanical Engineering Principles Principles of Foundation Engineering Principles of Responsible Management: Global Sustainability, Responsibility, and Ethics

Master the fundamentals of thermodynamics and learn how to apply these skills in engineering practice today with Reisel's PRINCIPLES OF ENGINEERING THERMODYNAMICS, SI, 2nd Edition. This edition's informal, first-person writing style helps make abstract concepts easier to understand. In addition to mastering fundamental principles and applications, you explore the impact of different system parameters on the performance of devices and processes. For example, you study how changing outlet pressure in a turbine changes the power produced

or how the power requirement of a compressor varies with inlet temperature. This unique approach strengthens your understanding of how different components of thermodynamics interrelate, while demonstrating how you will use thermodynamics in your engineering career. You also learn to develop computer-based models of devices, processes and cycles as well as use internet-based programs and computer apps to find thermodynamic data, exactly like today's practicing engineers. **PRINCIPLES OF HEAT TRANSFER** was first published in 1959, and since then it has grown to be considered a classic within the field, setting the standards for coverage and organization within all other Heat Transfer texts. The book is designed for a one-semester course in heat transfer at the junior or senior level, however, flexibility in pedagogy has been provided. Following several recommendations of the ASME Committee on Heat Transfer Education, Kreith, Manglik, and Bohn present relevant and stimulating content in this fresh and comprehensive approach to heat transfer, acknowledging that in today's world classical mathematical solutions to heat transfer problems are often less influential than computational analysis. This acknowledgement is met with the emphasize that students must still learn to appreciate both the physics and the elegance of simple mathematics in addressing complex phenomena, aiming at presenting the principles of heat transfer both within the framework of classical mathematics and empirical correlations. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. This text continues its tradition of setting the standard for teaching students how to be effective problem solvers. Now in its eighth edition, this market-leading text emphasizes the authors' collective teaching expertise as well as the signature methodologies that have taught entire generations of engineers worldwide. Integrated throughout the text are real-world applications that emphasize the relevance of thermodynamics principles to some of the most critical problems and issues of today, including a wealth of coverage of topics related to energy and the environment, biomedical/bioengineering, and emerging technologies. This comprehensive, student friendly text is intended for use in an introductory course in physical metallurgy and is designed for all engineering students at the junior or senior level. The approach is largely theoretical but all aspects of physical metallurgy and behavior of metals and alloys are covered. The treatment used in this textbook is in harmony with a more fundamental approach to engineering education. An extensive revision has been done to insure that the content remains the standard for metallurgy engineering courses worldwide. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Written in an informal, first-person writing style that makes abstract concepts easier to understand, **PRINCIPLES OF ENGINEERING THERMODYNAMICS** transforms the way students learn thermodynamics. While continuing to provide strong coverage of fundamental principles and applications, the book asks students to explore how changes in a particular parameter can change a device's or process' performance. This approach helps them develop a better understanding of how to apply thermodynamics in their future careers and a stronger intuitive feel for how the different components of thermodynamics are interrelated. Throughout the book, students are encouraged to develop computer-based models of devices, processes, and cycles and to take advantage of the speed of Internet-based programs and computer apps to find thermodynamic data, just as practicing engineers do. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Master the fundamental concepts and applications of foundation analysis design with **PRINCIPLES OF FOUNDATION ENGINEERING**. This market leading text maintains a careful balance of current research and practical field applications, offers a wealth of worked out examples and figures that show you how to do the work you will be doing as a civil engineer, and helps you develop the judgment you'll need to properly apply theories and

analysis to the evaluation of soils and foundation design. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. This comprehensive, student friendly text is intended for use in an introductory course in physical metallurgy and is designed for all engineering students at the junior or senior level. The approach is largely theoretical but all aspects of physical metallurgy and behavior of metals and alloys are covered. The treatment used in this textbook is in harmony with a more fundamental approach to engineering education. An extensive revision has been done to insure that the content remains the standard for metallurgy engineering courses worldwide. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Readers gain a solid understanding of Newtonian dynamics and its application to real-world problems with Pytel/Kiusalaas' ENGINEERING MECHANICS: DYNAMICS, 4E. This edition clearly introduces critical concepts using learning features that connect real problems and examples with the fundamentals of engineering mechanics. Readers learn how to effectively analyze problems before substituting numbers into formulas. This skill prepares readers to encounter real life problems that do not always fit into standard formulas. The book begins with the analysis of particle dynamics, before considering the motion of rigid-bodies. The book discusses in detail the three fundamental methods of problem solution: force-mass-acceleration, work-energy, and impulse-momentum, including the use of numerical methods. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. A brand new book, FUNDAMENTALS OF CHEMICAL ENGINEERING THERMODYNAMICS makes the abstract subject of chemical engineering thermodynamics more accessible to undergraduate students. The subject is presented through a problem-solving inductive (from specific to general) learning approach, written in a conversational and approachable manner. Suitable for either a one-semester course or two-semester sequence in the subject, this book covers thermodynamics in a complete and mathematically rigorous manner, with an emphasis on solving practical engineering problems. The approach taken stresses problem-solving, and draws from best practice engineering teaching strategies. FUNDAMENTALS OF CHEMICAL ENGINEERING THERMODYNAMICS uses examples to frame the importance of the material. Each topic begins with a motivational example that is investigated in context to that topic. This framing of the material is helpful to all readers, particularly to global learners who require big picture insights, and hands-on learners who struggle with abstractions. Each worked example is fully annotated with sketches and comments on the thought process behind the solved problems. Common errors are presented and explained. Extensive margin notes add to the book accessibility as well as presenting opportunities for investigation. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Master the fundamental concepts and applications of foundation analysis design with PRINCIPLES OF FOUNDATION ENGINEERING. This market leading text maintains a careful balance of current research and practical field applications, offers a wealth of worked out examples and figures that show you how to do the work you will be doing as a civil engineer, and helps you develop the judgment you'll need to properly apply theories and analysis to the evaluation of soils and foundation design. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Intended as an introductory text in soil mechanics, the eighth edition of Das, PRINCIPLES OF GEOTECHNICAL ENGINEERING offers an overview of soil properties and mechanics together with coverage of field practices and basic engineering procedure. Background information needed to support study in later design-oriented courses or in professional practice is provided through a wealth of comprehensive discussions, detailed explanations, and more

figures and worked out problems than any other text in the market. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. ENGINEERING APPLICATIONS IN SUSTAINABLE DESIGN AND DEVELOPMENT is an invaluable resource for today's engineering student. Focusing on pressing contemporary issues, the text puts product design in the context of models of sustainability. Relevant case studies from across the globe will be of interest to engineers in training, and active learning exercises in each chapter help students learn to apply theory to real world situations. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Written in a concise, easy-to-understand manner, INTRODUCTION TO GEOTECHNICAL ENGINEERING, 2e, presents intensive research and observation in the field and lab that have improved the science of foundation design. Now providing both U.S. and SI units, this non-calculus-based text is designed for courses in civil engineering technology programs where soil mechanics and foundation engineering are combined into one course. It is also a useful reference tool for civil engineering practitioners. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Master the fundamentals of thermodynamics and learn how to apply these skills in engineering practice today with Reisel's PRINCIPLES OF ENGINEERING THERMODYNAMICS, SI, 2nd Edition. This edition's informal writing style helps make abstract concepts easier to understand. In addition to mastering fundamental principles and applications, you explore the impact of different system parameters on the performance of devices and processes. For example, you study how changing outlet pressure in a turbine changes the power produced or how the power requirement of a compressor varies with inlet temperature. This unique approach strengthens your understanding of how different components of thermodynamics interrelate, while demonstrating how you will use thermodynamics in your engineering career. You also learn to develop computer-based models of devices, processes and cycles as well as practice using internet-based programs and computer apps to find thermodynamic data, exactly like today's practicing engineers. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. "Mechanical Engineering Principles offers a student-friendly introduction to core engineering topics that does not assume any previous background in engineering studies, and as such can act as a core textbook for several engineering courses. Bird and Ross introduce mechanical principles and technology through examples and applications rather than theory. This approach enables students to develop a sound understanding of the engineering principles and their use in practice. Theoretical concepts are supported by over 600 problems and 400 worked answers. The new edition will match up to the latest BTEC National specifications and can also be used on mechanical engineering courses from Levels 2 to 4"--strong style="font-family: Arial; font-size: 13.3333px;"Groover's Principles of Modern Manufacturing, is designed for a first course or two-course sequence in Manufacturing at the junior level in Mechanical, Industrial, and Manufacturing Engineering curricula. As in preceding editions, the author's objective is to provide a treatment of manufacturing that is modern and quantitative. The book's modern approach is based on balanced coverage of the basic engineering materials, the inclusion of recently developed manufacturing processes and comprehensive coverage of electronics manufacturing technologies. The quantitative focus of the text is displayed in its emphasis on manufacturing science and its greater use of mathematical models and quantitative end-of-chapter problems. Chemical Engineering Design, Second Edition, deals with the application of chemical engineering principles to the design of chemical processes and equipment. Revised throughout, this edition has been specifically developed for the U.S. market. It provides the latest US codes and standards, including API,

ASME and ISA design codes and ANSI standards. It contains new discussions of conceptual plant design, flowsheet development, and revamp design; extended coverage of capital cost estimation, process costing, and economics; and new chapters on equipment selection, reactor design, and solids handling processes. A rigorous pedagogy assists learning, with detailed worked examples, end of chapter exercises, plus supporting data, and Excel spreadsheet calculations, plus over 150 Patent References for downloading from the companion website. Extensive instructor resources, including 1170 lecture slides and a fully worked solutions manual are available to adopting instructors. This text is designed for chemical and biochemical engineering students (senior undergraduate year, plus appropriate for capstone design courses where taken, plus graduates) and lecturers/tutors, and professionals in industry (chemical process, biochemical, pharmaceutical, petrochemical sectors). New to this edition: Revised organization into Part I: Process Design, and Part II: Plant Design. The broad themes of Part I are flowsheet development, economic analysis, safety and environmental impact and optimization. Part II contains chapters on equipment design and selection that can be used as supplements to a lecture course or as essential references for students or practicing engineers working on design projects. New discussion of conceptual plant design, flowsheet development and revamp design Significantly increased coverage of capital cost estimation, process costing and economics New chapters on equipment selection, reactor design and solids handling processes New sections on fermentation, adsorption, membrane separations, ion exchange and chromatography Increased coverage of batch processing, food, pharmaceutical and biological processes All equipment chapters in Part II revised and updated with current information Updated throughout for latest US codes and standards, including API, ASME and ISA design codes and ANSI standards Additional worked examples and homework problems The most complete and up to date coverage of equipment selection 108 realistic commercial design projects from diverse industries A rigorous pedagogy assists learning, with detailed worked examples, end of chapter exercises, plus supporting data and Excel spreadsheet calculations plus over 150 Patent References, for downloading from the companion website Extensive instructor resources: 1170 lecture slides plus fully worked solutions manual available to adopting instructors This comprehensive, student friendly text is intended for use in an introductory course in physical metallurgy and is designed for all engineering students at the junior or senior level. The approach is largely theoretical but all aspects of physical metallurgy and behavior of metals and alloys are covered. The treatment used in this textbook is in harmony with a more fundamental approach to engineering education. An extensive revision has been done to insure that the content remains the standard for metallurgy engineering courses worldwide. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Intended as an introductory text in soil mechanics, the seventh edition of Das, PRINCIPLES OF GEOTECHNICAL ENGINEERING offers an overview of soil properties and mechanics together with coverage of field practices and basic engineering procedure. PRINCIPLES OF GEOTECHNICAL ENGINEERING contains more figures and worked out problems than any other text on the market and provides the background information needed to support study in later design-oriented courses or in professional practice. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Readers gain a valuable overview of soil properties and mechanics together with coverage of field practices and basic engineering procedures with Das and Sobhan's PRINCIPLES OF GEOTECHNICAL ENGINEERING, SI EDITION, 9E. This introduction to geotechnical engineering forms an important foundation for future civil engineers. This book provides critical background knowledge readers need to support any advanced study in design as well as to prepare them for professional practice. The authors ensure a

practical and application-oriented approach to the subject by incorporating a wealth of comprehensive discussions and detailed explanations. Readers find more figures and worked-out problems than any other book for the course to ensure understanding. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Moran's Principles of Engineering Thermodynamics, SI Version, continues to offer a comprehensive and rigorous treatment of classical thermodynamics, while retaining an engineering perspective. With concise, applications-oriented discussion of topics and self-test problems, this book encourages students to monitor their own learning. This classic text provides a solid foundation for subsequent studies in fields such as fluid mechanics, heat transfer and statistical thermodynamics, and prepares students to effectively apply thermodynamics in the practice of engineering. This edition is revised with additional examples and end-of-chapter problems to increase student comprehension. The book is a simple-to-understand low-priced Chemistry text with many worked out examples in topics which students have the most problems. It is intended to serve as a guide to the teaching of Chemistry on the one hand, and for the student's own understanding of the principles in the areas they feel deficient. The material is presented in very simple English, and several worked out calculations in problematic areas have been included. In addition, the presentation is like the teacher is talking to the student and consequently, the student should be at ease in understanding the Chemistry concepts and the examples given should bring them closer to liking the subject. Intended as an introductory text in soil mechanics, the eighth edition of Das, PRINCIPLES OF GEOTECHNICAL ENGINEERING offers an overview of soil properties and mechanics together with coverage of field practices and basic engineering procedure. Background information needed to support study in later design-oriented courses or in professional practice is provided through a wealth of comprehensive discussions, detailed explanations, and more figures and worked out problems than any other text in the market. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Readers gain a valuable overview of soil properties and mechanics together with coverage of field practices and basic engineering procedures with Das and Sobhan's PRINCIPLES OF GEOTECHNICAL ENGINEERING, SI EDITION, 9E. This introduction to geotechnical engineering forms an important foundation for future civil engineers. This book provides critical background knowledge readers need to support any advanced study in design as well as to prepare them for professional practice. The authors ensure a practical and application-oriented approach to the subject by incorporating a wealth of comprehensive discussions and detailed explanations. Readers find more figures and worked-out problems than any other book for the course to ensure understanding. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. PRINCIPLES OF RESPONSIBLE MANAGEMENT offers an international, scientifically sound, and strictly practice-related perspective. It is the first official textbook of the United Nations for the Principles for Responsible Management Education (PRME) academic network, and a reference book for companies of the United Nations Global Compact Initiative. It is a primary text for traditional business and society, business ethics, corporate social responsibility, and sustainability courses, or may serve as a practitioner handbook. Contributors are renowned academic professionals in their respective chapter topics as well as distinguished business practitioners who contribute highly relevant practice cases. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Gain a clear understanding of the basics of the finite element method (FEM) with this simple, direct, contemporary approach in Logan's A FIRST COURSE IN THE FINITE ELEMENT METHOD, Enhanced 6th Edition, SI Version. This unique presentation is written so you can

easily comprehend content without the usual prerequisites, such as structural analysis. This book is ideal, whether you are a studying civil or mechanical engineering and are primarily interested in stress analysis and heat transfer, or you need a foundation for applying FEM as a tool in solving practical physical problems. New and expanded real-world examples and problems demonstrate FEM applications in a variety of engineering and mathematical physics-related fields. Each chapter uses a consistent structure with step-by-step, worked-out examples, ideal for beginning or advanced study. A special graphic insert further clarifies 3-D images as well as FEM concepts to prepare you for success. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Master the core concepts and applications of foundation analysis and design with Das/Sivakugan's best-selling PRINCIPLES OF FOUNDATION ENGINEERING, 9th Edition. Written specifically for those studying undergraduate civil engineering, this invaluable resource by renowned authors in the field of geotechnical engineering provides an ideal balance of today's most current research and practical field applications. A wealth of worked-out examples and figures clearly illustrate the work of today's civil engineer, while timely information and insights help readers develop the critical skills needed to properly apply theories and analysis while evaluating soils and foundation design. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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