The latest edition of Engineering Mechanics-Dynamics continues to provide the same high quality material seen in previous editions. It provides extensively rewritten, updated prose for content clarity, superb new problems in new application areas, outstanding instruction on drawing free body diagrams, and new electronic supplements to assist learning and instruction.

Tough Test Questions? Missed Lectures? Not Enough Time? Fortunately, there’s Schaum’s. More than 40 million students have trusted Schaum’s to help them succeed in the classroom and on exams. Schaum’s is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic
format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum’s Outline gives you: 628 fully solved problems to reinforce knowledge 1 final practice exam Hundreds of examples with explanations of statics concepts Extra practice on topics such as orthogonal triad of unit vectors, resultant of distributed force system, noncoplanar force systems, slope of the Shear diagram, and slope of the Moment diagram Support for all the major textbooks for statics courses Box in the middle: Access to revised Schaums.com website with access to 25 problem-solving videos and more. Schaum’s reinforces the main concepts required in your course and offers hundreds of practice questions to help you succeed. Use Schaum’s to shorten your study time and get your best test scores!

An extensive summary of mathematical functions that occur in physical and engineering problems

ENGINEERING MECHANICS: STATICS, 4E, written by authors Andrew Pytel and Jaan Kiusalaas, provides readers with a solid understanding of statics without the overload of extraneous detail. The authors use their extensive teaching experience and first-hand knowledge to deliver a presentation that’s ideally suited to the skills of today’s learners. This edition clearly introduces critical concepts using 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 -- a skill that will benefit them tremendously as they encounter real problems that do not always fit into standard formulas. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Master introductory mechanics with ANALYTICAL MECHANICS! Direct and practical, this physics text is designed to help you grasp the challenging concepts of physics. Specific cases are included to help you master theoretical material. Numerous worked examples found throughout increase your problem-solving skills and prepare you to succeed on tests.

Inspired by newspaper clippings he had kept about two former African
dictators accused of cannibalism, journalist Riccardo Orizio set out to track down tyrants around the world who had fallen from power—to see if they had gained any perspective on their actions, or if their lives and thoughts could shed any light on our own. The seven encounters chronicled in Talk of the Devil reveal Orizio’s gift as an observer and his skill at getting people to reveal themselves. They are also, each of them, memorable stories in their own right. Thanks to his conversion to Islam, the unrepentant Idi Amin lives in exile in Saudi Arabia and laughs off his murderous past while still attempting to meddle in Uganda. Jean-Bedel Bokassa, the bloody former emperor of Central Africa, boasts astonishingly that Pope Paul VI had nominated him as the thirteenth apostle of the Catholic Church. Nexhmije Hoxha defends her husband’s brutal Stalinist regime from her Albanian prison cell and proudly explains how it worked. Paris-based Jean-Claude “Baby Doc” Duvalier—in his first interview since fleeing Haiti in 1986—speaks about voodoo and the women of his life, and laments the loss of his fortune. Colonel Mengistu Haile-Mariam of Ethiopia, Mira Markovic (Slobodan Milosevic’s wife), and General Wojciech Jaruzelski, the former Polish head of state, all claim, in one way or another, that history will do them justice. By turns chilling and comical, rational and absurd, Talk of the Devil brings back into focus forgotten history and people we have viewed as evil incarnate. Stripped of their power and titles, they are oddly human, and in Orizio’s hands, their stories, and his own, are compulsively readable.

Since their publication nearly 40 years ago, Beer and Johnston’s Vector Mechanics for Engineers books have set the standard for presenting statics and dynamics to beginning engineering students. The New Media Versions of these classic books combine the power of cutting-edge software and multimedia with Beer and Johnston’s unsurpassed text coverage. The package is also enhanced by a new problems supplement. For more details about the new media and problems supplement package components, see the "New to this Edition" section below.

Engineering Fluid Mechanics guides students from theory to application, emphasizing critical thinking, problem solving, estimation, and other vital engineering skills. Clear, accessible writing puts the focus on essential concepts, while abundant illustrations, charts, diagrams, and examples illustrate complex topics and highlight the physical reality of fluid dynamics applications. Over 1,000 chapter problems provide the “deliberate
practice”—with feedback—that leads to material mastery, and discussion of real-world applications provides a frame of reference that enhances student comprehension. The study of fluid mechanics pulls from chemistry, physics, statics, and calculus to describe the behavior of liquid matter; as a strong foundation in these concepts is essential across a variety of engineering fields, this text likewise pulls from civil engineering, mechanical engineering, chemical engineering, and more to provide a broadly relevant, immediately practicable knowledge base. Written by a team of educators who are also practicing engineers, this book merges effective pedagogy with professional perspective to help today’s students become tomorrow’s skillful engineers.

This concise and authoritative book emphasizes basic principles and problem formulation. It illustrates both the cohesiveness of the relatively few fundamental ideas in this area and the great variety of problems these ideas solve. All of the problems address principles and procedures inherent in the design and analysis of engineering structures and mechanical systems, with many of the problems referring explicitly to design considerations. Sample problems are presented in a single page format with comments and cautions keyed to salient points in the solution. -- Illustrations are color coordinated to identify related ideas throughout the book (e.g., red = forces and moments, green = velocity and acceleration).

Pearson introduces yet another textbook from Professor R. C. Hibbeler - Fluid Mechanics in SI Units - which continues the author’s commitment to empower students to master the subject.

New edition of the popular textbook, comprehensively updated throughout and now includes a new dedicated website for gas dynamic calculations. The thoroughly revised and updated third edition of Fundamentals of Gas Dynamics maintains the focus on gas flows below hypersonic. This targeted approach provides a cohesive and rigorous examination of most practical engineering problems in this gas dynamics flow regime. The conventional one-dimensional flow approach together with the role of temperature-entropy diagrams are highlighted throughout. The authors—noted experts in the field—include a modern computational aid, illustrative charts and tables, and myriad examples of varying degrees of difficulty to aid in the understanding of the material presented. The updated
edition of Fundamentals of Gas Dynamics includes new sections on the shock tube, the aerospike nozzle, and the gas dynamic laser. The book contains all equations, tables, and charts necessary to work the problems and exercises in each chapter. This book’s accessible but rigorous style: Offers a comprehensively updated edition that includes new problems and examples Covers fundamentals of gas flows targeting those below hypersonic Presents the one-dimensional flow approach and highlights the role of temperature-entropy diagrams Contains new sections that examine the shock tube, the aerospike nozzle, the gas dynamic laser, and an expanded coverage of rocket propulsion Explores applications of gas dynamics to aircraft and rocket engines Includes behavioral objectives, summaries, and check tests to aid with learning Written for students in mechanical and aerospace engineering and professionals and researchers in the field, the third edition of Fundamentals of Gas Dynamics has been updated to include recent developments in the field and retains all its learning aids.

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.

Some copies of CompTIA Security+ Study Guide: Exam SY0-501 (9781119416876) were printed without discount exam vouchers in the front of the books. If you did not receive a discount exam voucher with your book, please visit http://media.wiley.com/product_ancillary/5X/11194168/DOWNLOAD/CompTIA_Coupon.pdf to download one. Expert preparation covering 100% of Security+ exam SY0-501 objectives CompTIA Security+ Study Guide, Seventh Edition offers invaluable preparation for Exam SY0-501. Written by an expert author team, this book covers 100% of the exam objectives with clear, concise explanation. You’ll learn how to handle threats, attacks, and vulnerabilities using industry-standard tools and technologies, while understanding the role of architecture and design. From everyday tasks like identity and access management to complex topics like risk management and cryptography, this study guide helps you consolidate your knowledge base in preparation for the Security+ exam. Practical examples illustrate how these processes play out in real-world scenarios, allowing you to immediately translate essential concepts to on-the-job application. You also gain access to the Sybex online learning
environment, which features a robust toolkit for more thorough prep: flashcards, glossary of key terms, practice questions, and a pre-assessment exam equip you with everything you need to enter the exam confident in your skill set. This study guide is approved and endorsed by CompTIA, and has been fully updated to align with the latest version of the exam. Master essential security technologies, tools, and tasks Understand how Security+ concepts are applied in the real world Study on the go with electronic flashcards and more Test your knowledge along the way with hundreds of practice questions To an employer, the CompTIA Security+ certification proves that you have the knowledge base and skill set to secure applications, devices, and networks; analyze and respond to threats; participate in risk mitigation, and so much more. As data threats loom larger every day, the demand for qualified security professionals will only continue to grow. If you're ready to take the first step toward a rewarding career, CompTIA Security+ Study Guide, Seventh Edition is the ideal companion for thorough exam preparation.

Whether it's working for free in exchange for 'experience', enduring poor treatment in the name of being 'part of the family', or clocking serious overtime for a good cause, more and more of us are pushed to make sacrifices for the privilege of being able to do work we enjoy. Work Won't Love You Back examines how we all bought into this 'labour of love' myth: the idea that certain work is not really work, and should be done for the sake of passion rather than pay. Through the lives and experiences of various workers--from the unpaid intern and the overworked teacher, to the nonprofit employee, the domestic worker and even the professional athlete--this compelling book reveals how we've all been tricked into a new tyranny of work. Sarah Jaffe argues that understanding the labour of love trap will empower us to work less and demand what our work is worth. Once freed, we can finally figure out what actually gives us joy, pleasure and satisfaction.

Engineering Mechanics: Combined Statics & Dynamics, Twelfth Edition is ideal for civil and mechanical engineering professionals. In his substantial revision of Engineering Mechanics, R.C. Hibbeler empowers students to succeed in the whole learning experience. Hibbeler achieves this by calling on his everyday classroom experience and his knowledge of how students learn inside and outside of lecture. In addition to over 50% new homework
problems, the twelfth edition introduces the new elements of Conceptual Problems, Fundamental Problems and Mastering Engineering, the most technologically advanced online tutorial and homework system.

Fundamentals of Physics, 10th Edition, Volume 1 contains Chapters 1 - 20. Access to WileyPLUS is not included with this textbook. The 10th edition of Halliday, Resnick and Walker's Fundamentals of Physics provides the perfect solution for teaching a 2 or 3-semester calculus-based physics course, providing instructors with a tool by which they can teach students how to effectively read scientific material, identify fundamental concepts, reason through scientific questions, and solve quantitative problems. The 10th edition builds upon previous editions by offering new features designed to better engage students and support critical thinking. These include NEW Video Illustrations that bring the subject matter to life, NEW Vector Drawing Questions that test student's conceptual understanding, and additional multimedia resources (videos and animations) that provide an alternative pathway through the material for those who struggle with reading scientific exposition.

This revised and updated seventh 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 detail. 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 Aerodynamics 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-out examples makes it eminently suitable for self-study by students and also for scientists and engineers working in the field of gas dynamics in industries and research laboratories. The computer program to calculate the coordinates of contoured nozzle, with the method of characteristics, has been given in C-language. The program listing along with a sample output is given in the Appendix. NEW TO THE EDITION • A new chapter on the 'Power of Compressible Bernoulli Equation' • Extra chapter-end examples in Chapter 5 • Additional exercise problems in Chapters 5, 6, 7, and 8 KEY FEATURES • Concise coverage of the thermodynamic concepts to serve as a revision of the background material • Introduction to measurements in
This text is an unbound, binder-ready edition. Known for its accuracy, clarity, and dependability, Meriam & Kraige’s Engineering Mechanics: Dynamics has provided a solid foundation of mechanics principles for more than 60 years. Now in its seventh edition, the text continues to help students develop their problem-solving skills with an extensive variety of engaging problems related to engineering design. More than 50% of the homework problems are new, and there are also a number of new sample problems. To help students build necessary visualization and problem-solving skills, the text strongly emphasizes drawing free-body diagrams - the most important skill needed to solve mechanics problems.

Tourism Impacts, Planning and Management is a unique text, which links these three key areas of tourism: impacts, planning and management. Tourism impacts are multi-faceted and therefore are difficult to plan for and manage. This book looks at all the key players involved - be they tourists, host communities or industry members - and considers a number of approaches and techniques for managing tourism successfully. Divided into four parts, this text discusses: * The growth, development and impacts of tourism * Tourism planning and management: concepts, issues and key players * Tools and techniques in tourism planning and management: education, regulation and information technology * The future of tourism planning and management: issues of sustainability and the future Up-to-date, international case studies are used, for example the impacts of 9/11 and terrorism in Bali, to illustrate and provide a real-life context for the theories discussed. Exercises are also included to consolidate learning.

Written to match the contents of the Cambridge syllabus. Mechanics 1 corresponds to unit M1. It covers forces and equilibrium, motion in a straight line, Newton’s laws of motion, and energy, work and power.
The approach of the Beer and Johnston texts has been appreciated by hundreds of thousands of students over decades of engineering education. The Statics and Mechanics of Materials text uses this proven methodology in a new book aimed at programs that teach these two subjects together or as a two-semester sequence. Maintaining the proven methodology and pedagogy of the Beer and Johnston series, Statics and Mechanics of Materials combines the theory and application behind these two subjects into one cohesive text. A wealth of problems, Beer and Johnston’s hallmark Sample Problems, and valuable Review and Summary sections at the end of each chapter highlight the key pedagogy of the text.

Publisher’s Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. Tough Test Questions? Missed Lectures? Not Enough Time? Fortunately, there’s Schaum’s. More than 40 million students have trusted Schaum’s to help them succeed in the classroom and on exams. Schaum’s is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum’s Outline gives you: 628 fully solved problems to reinforce knowledge 1 final practice exam Hundreds of examples with explanations of statics concepts Extra practice on topics such as orthogonal triad of unit vectors, resultant of distributed force system, noncoplanar force systems, slope of the Shear diagram, and slope of the Moment diagram Support for all the major textbooks for statics courses Box in the middle: Access to revised Schaums.com website with access to 25 problem-solving videos and more. Schaum’s reinforces the main concepts required in your course and offers hundreds of practice questions to help you succeed. Use Schaum’s to shorten your study time-and get your best test scores!

Over the past 50 years, Meriam & Kraige's Engineering Mechanics: Dynamics has established a highly respected tradition of Excellence—a Tradition that emphasizes accuracy, rigor, clarity, and applications. Now completely revised, redesigned, and modernized, the new fifth edition of this classic text builds on these strengths, adding new problems and a more accessible, student-friendly presentation. Solving Dynamics Problems with Maple If Maple is the computer algebra system you need to use for your engineering calculations and graphical output, this reference
will be a valuable tutorial for your studies. Written as a guidebook for students in the Engineering Mechanics class, it will help you with your engineering assignments throughout the course.

A modern vector oriented treatment of classical dynamics and its application to engineering problems.

This is the first and only book, so far, to deal with the causal basis of evolution from an epigenetic view. By revealing the epigenetic "user" of the "genetic toolkit", this book demonstrates the primacy of epigenetic mechanisms and epigenetic information in generating evolutionary novelties. The author convincingly supports his theory with a host of examples from the most varied fields of biology, by emphasizing changes in developmental pathways as the basic source of evolutionary change in metazoans. Original and thought provoking--a radically new theory that overcomes the present difficulties of the theory of evolution Is the first and only theory that uses epigenetic mechanisms and principles for explaining evolution of metazoans Takes an integrative approach and shows a wide range of learning

An engineering major’s must have: The most comprehensive review of the required dynamics course—now updated to meet the latest curriculum and with access to Schaum’s improved app and website! Tough Test Questions? Missed Lectures? Not Enough Time? Fortunately, there’s Schaum’s. More than 40 million students have trusted Schaum’s to help them succeed in the classroom and on exams. Schaum’s is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum’s Outline gives you: 729 fully solved problems to reinforce knowledge 1 final practice exam Hundreds of examples with explanations of dynamics concepts Extra practice on topics such as rectilinear motion, curvilinear motion, rectangular components, tangential and normal components, and radial and transverse components Support for all the major textbooks for dynamics courses Box in the middle: Access to revised Schaums.com website with access to 25 problem-solving videos and more. Schaum’s reinforces the main concepts required in your course and offers hundreds of practice questions to help you succeed. Use Schaum’s to shorten your study time-and get your best test scores!
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