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Designed for the mixed practice large animal veterinarian, veterinary students, and camelid caretakers alike, Llama and Alpaca Care covers all major body systems, herd health, physical examination, nutrition, reproduction, surgery, anesthesia, and multisystem diseases of llamas and alpacas. Written by world-renowned camelid specialists and experts in the field, this comprehensive and uniquely global text offers quick access to the most current knowledge in this area. With coverage ranging from basic maintenance such as restraint and handling to more complex topics including anesthesia and surgery, this text provides the full range of knowledge required for the management of llamas and alpacas. "...an essential text for anyone working with South American camelids." Reviewed by Claire E. Whitehead on behalf of Veterinary Record, July 2015 Over 500 full-color images provide detailed, highly illustrated coverage of all major body systems, physical examination, nutrition, anesthesia, fluid therapy, multisystem diseases, and surgical disorders. World-renowned camelid experts and specialists in the field each bring a specific area of expertise for a uniquely global text. Comprehensive herd health content includes handling techniques, vaccinations, biosecurity, and protecting the herd from predators. Coverage of anesthesia and analgesia includes the latest information on pharmacokinetics of anesthetic drugs, chemical restraint, injectable and inhalation anesthesia, neuroanesthesia, and pain management. Reproduction section contains information on breeding management, lactation, infertility, and embryo transfer. Nutrition information offers detailed nutritional requirements and discusses feeding management systems and feeding behavior. Offering a unique and powerful way to introduce the principles of statistical reasoning, Statistical Reasoning in Sports features engaging examples and a student-friendly approach. Starting from the very first chapter, students are able to ask questions, collect and analyze data, and draw conclusions using randomization tests. Is it harder to shoot free throws with distractions? We explore this question by designing an experiment, collecting the data, and using a hands-on simulation to analyze results. Completely covering the Common Core Standards for Probability and Statistics, Statistical Reasoning in Sports is an accessible and fun way to learn about statistics! "This is the fifth edition of the most widely used introductory book on semiconductor materials, physics, devices and technology. The book was written with two basic goals in mind: 1) develop the basic semiconductor physics concepts to understand current and future devices; 2) provide a sound understanding of current semiconductor devices and technology so that their applications to electronic and optoelectronic circuits and systems can be appreciated."--BOOK JACKET.Title Summary field provided by Blackwell North America, Inc. All Rights Reserved A radical history of squatting and the struggle for the right to remake the city The Autonomous City is the first popular history of squatting as practised in Europe and North America. Alex Vasudevan retraces the struggle for housing in Amsterdam, Berlin, Copenhagen, Detroit, Hamburg, London, Madrid, Milan, New York, and Vancouver. He looks at the organisation of alternative forms of housing—from Copenhagen’s Freetown Christiania to the squats of the Lower East Side—as well as the official response, including the recent criminalisation of squatting, the brutal eviction of squatters and their widespread vilification. Pictured as a way to reimagine and reclaim the city, squatting offers an alternative to housing insecurity, oppressive property speculation and the negative effects of urban regeneration. We must, more than ever, reanimate and remake the urban environment as a site of radical social transformation. System Dynamics includes the strongest treatment of computational software and system simulation of any available text, with its early introduction of MATLAB and Simulink. The text's extensive coverage also includes discussion of the root locus and frequency response plots, among other methods for assessing system behavior in the time and frequency domains as well as topics such as function discovery, parameter estimation, and system identification techniques, motor performance evaluation, and system dynamics in everyday life. For core Introductory Statics and Mechanics of Materials courses found in mechanical, civil, aeronautical, or engineering mechanics departments. This text presents the foundations and applications of statics and mechanics of materials by emphasizing the importance of visual analysis of topics--especially through the use of free body diagrams. It also promotes a problem-solving approach to solving examples through its strategy, solution, and discussion format in examples. The authors further include design and computational examples that help instructors integrate these ABET 2000 requirements. This text presents the foundations and applications of statics by emphasizing the importance of visual analysis of topics-especially through the use of free body diagrams. This text also promotes a problem-solving approach to solving examples through its strategy, solution, discussion format in examples. Bedford/Fowler further includes design and computational examples that help instructors integrate these ABET 2000 requirements. FEATURES/BENEFITS NEW--Strategy-Solution- Discussion--Most examples follow this format. Promotes students thinking critically about the example vs. rote memorization. NEW--Engineering Design--Includes "Application to Engineering" examples that provide discussions of the uses of dynamics in engineering design. NEW--Emphasizes Application--Text places dynamics within the context of engineering practice by including applications from many fields of engineering. NEW--Optional Student Software--Working Model-based Simulation Software specifically for Bedford/Fowler. NEW--Computational Mechanics Examples--Provide optional self-contained examples designed to introduce students to the use of computers in engineering. Professors can use any programming language, or math solver of their choice. NEW--Extended discussion of normal and tangential components (Ch. 2)--Includes 3D motion. NEW--A revised discussion of reference frames--Throughout the text, especially in Chs. 2 and 6. NEW--Expanded/improved discussion of several topics--e.g., impulsive forces, 2D rigid-body kinematics, D'Alembert's principle, and angular impulse and momentum. NEW--Expanded discussion of 3D rigid body dynamics (Ch. 9)--Includes new examples and problems. NEW--More than 20% new andrevised chapter-end problems. Engineering Mechanics: Dynamics, Second Edition. This book has quickly earned a place in Engineering schools across the country because it teaches engineering mechanics the way a good instructor would Problem Solving Uses a "Strategy-Solution-Discussion" problem-solving methodology that explains how to approach problems, solve them, and critically judge the results Contains "Computational Mechanics" feature with examples and problems that introduce the reader to computer applications in engineering mechanics Visualization Stresses the importance of visual analysis, especially the use of free-body diagrams Develops figures gradually and employs "ghosting" techniques to clarify and emphasize concepts-- emulating the way an instructor teaches Applications Places engineering mechanics within the context of engineering practice by including applications from many fields of engineering Introduces design principles with the "Application to Engineering" feature using concepts developed in preceding sections of the chapter New Features Visualization Provides more free-body diagrams to many of the worked examples Separates most of the diagrams showing velocities, accelerations, and forces into a free-body diagram showing the forces and a kinematic diagram showing the accelerations Content Extends the discussion of normal and tangential components in Chapter 2 to include three- dimensional motion Includes a revised discussion of reference frames throughout the text, especially in Chapters 2 and 6 Improves the discussion of impulsive forces in Chapter 5 Improves the discussion of 2D rigid-body kinematics in Chapter 6 Expandsand improves the discussion of D'Alembert's principle in Chapter 7 Provides a revised and improved discussion of angular impulse and momentum in Chapter 8 Expands the discussion of 3D rigid body dynamics in Chapter 9 and provides new examples and problems Offers several new examples throughout the text including more of the popular feature, "Application to Engineering" Includes more than 20% new and revised end-of-chapter problems Organization Presents section on Orbital Mechanics in Chapter 3 In Engineering Mechanics: Dynamics, Anthony Bedford and Wallace Fowler present the foundations and applications of dynamics as they do in the classroom. The authors explain each concept using carefully developed figures, easy-to-follow examples, and real-world problems to enhance understanding. Throughout the book, the authors strive to keep students motivated by placing the subject matter in an engineering context. The Bedford/Fowler textbook continues to be successful because it teaches engineering mechanics the way good instructors do. Experimental political science has changed. In two short decades, it evolved from an emergent method to an accepted method to a primary method. The challenge now is to ensure that experimentalists design sound studies and implement them in ways that illuminate cause and effect. Ethical boundaries must also be respected, results interpreted in a transparent manner, and data and research materials must be shared to ensure others can build on what has been learned. This book explores the application of new designs; the introduction of novel data sources, measurement approaches, and statistical methods; the use of experiments in more areas; and discipline-wide discussions about the robustness, generalizability, and ethics of experiments in political science. By exploring these novel opportunities while also highlighting the concomitant challenges, this volume enables scholars and practitioners to conduct high-quality experiments that will make key contributions to knowledge. Provides undergraduates and practicing engineers with an understanding of the theory and applications behind the fundamental concepts of machine elements. This text includes examples and homework problems designed to test student understanding and build their skills in analysis and design. Introduction to dynamics. Dynamics of a particle rectangular coordinates. Dynamics of a particle: curvilinear coordinates. Work-energy and impulse-momentum principles for a particle. Dynamics of particle systems ... "This book presents the foundations and applications of statics by emphasizing the importance of visual analysis of topics--especially through the use of free body diagrams. It also promotes a problem-solving approach to solving examples through its strategy, solution, and discussion format. The authors further include design and computational examples that help integrate these ABET 2000 requirements. Features strong coverage of FBDs and free-body and kinetic diagrams. Chapter topics include: Vectors; Forces; Systems of Forces and Moments; Objects in Equilibrium; Structures In Equilibrium; Centroids and Centers of Mass; Moments of Inertia; Friction; Internal Forces and Moments; Virtual Work and Potential Energy; Motion of a Point; Force, Mass, and Acceleration; Energy Methods; Momentum Methods; Planar Kinematics of Rigid Bodies; Planar Dynamics of Rigid Bodies; Energy and Momentum in Rigid Body Dynamics; Three-Dimensional Kinematics and Dynamics of Rigid Bodies; Vibration. For professionals in mechanical, civil, aeronautical, or engineering mechanics fields." -- Publisher. This textbook is designed for introductory statics courses found in mechanical engineering, civil engineering, aeronautical engineering, and engineering mechanics departments. It better enables students to learn challenging material through effective, efficient examples and explanations. On August 24-25, 2010, the National Defense University held a conference titled “Economic Security: Neglected Dimension of National Security?” to explore the economic element of national power. This special collection of selected papers from the conference represents the view of several keynote speakers and participants in six panel discussions. It explores the complexity surrounding this subject and examines the major elements that, interacting as a system, define the economic component of national security. Plesha, Gray, and Costanzo’s Engineering Mechanics: Statics & Dynamics presents the fundamental concepts clearly, in a modern context using applications and pedagogical devices that connect with today’s students. The text features a problem-solving methodology that is consistently used throughout all example problems. This methodology helps students lay out the steps necessary to correct problem-formulation and explains the steps needed to arrive at correct and realistic solutions. Once students have fully mastered the basic concepts, they are taught appropriate use of modern computational tools where applicable. Further reinforcing the text's modern emphasis, the authors have brought engineering design considerations into selected problems where appropriate. This sensitizes students to the fact that engineering problems do not have a single answer and many different routes lead to a correct solution. The first new mainstream text in engineering mechanics in nearly twenty years, Plesha, Gray, and Costanzo’s Engineering Mechanics: Statics and Dynamics will help your students learn this important material efficiently and effectively. This Intergovernmental Panel on Climate Change Special Report (IPCC-SREX) explores the challenge of understanding and managing the risks of climate extremes to advance climate change adaptation. Extreme weather and climate events, interacting with exposed and vulnerable human and natural systems, can lead to disasters. Changes in the frequency and severity of the physical events affect disaster risk, but so do the spatially diverse and temporally dynamic patterns of exposure and vulnerability. Some types of extreme weather and climate events have increased in frequency or magnitude, but populations and assets at risk have also increased, with consequences for disaster risk. Opportunities for managing risks of weather- and climate-related disasters exist or can be developed at any scale, local to international. Prepared following strict IPCC procedures, SREX is an invaluable

assessment for anyone interested in climate extremes, environmental disasters and adaptation to climate change, including policymakers, the private sector and academic researchers. "An introduction to engineering mechanics that offers carefully balanced, authoritative coverage of statics. The authors use a Strategy-Solution-Discussion method for problem solving that explains how to approach problems, solve them, and critically judge the results. The book stresses the importance of visual analysis, especially the use of free-body diagrams. Incisive applications place engineering mechanics in the context of practice with examples from many fields of engineering." (Midwest).

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