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Machine Design: An Integrated Approach, 2/E - Norton 2000-09

Mechanical Vibrations - Michel Geradin 2015-02-16

Mechanical Vibrations: Theory and Application to Structural Dynamics, Third Edition is a comprehensively updated new edition of the popular textbook. It presents the theory of vibrations in the context of structural analysis and covers applications in mechanical and aerospace engineering. Key features include: A systematic approach to dynamic reduction and substructuring, based on duality between mechanical and admittance concepts An introduction to experimental modal analysis and identification methods An improved, more physical presentation of wave propagation phenomena A comprehensive presentation of current practice for solving large eigenproblems, focusing on the efficient linear solution of large, sparse and possibly singular systems A deeply revised description of time integration schemes, providing framework for the rigorous accuracy/stability analysis of now widely used algorithms such as HHT and Generalized- α Solved exercises and end of chapter homework problems A companion website hosting supplementary material

Probability and Statistics for Engineering and the Sciences + Enhanced Webassign Access - 2017

Introduction to Basic Manufacturing Processes and Workshop Technology - Rajender Singh 2006-12

Manufacturing and workshop practices have become important in the industrial environment to produce products for the service of mankind. The basic need is to provide theoretical and practical knowledge of manufacturing processes and workshop technology to all the engineering students. This book covers most of the syllabus of manufacturing processes/technology, workshop technology and workshop practices for engineering (diploma and degree) classes prescribed by different universities and state technical boards.

Fundamentals of Mechanical Vibrations - Graham Kelly 1993-01-01

This is the solutions manual to Fundamentals of Mechanical Vibrations which is designed for undergraduate students on mechanical engineering courses.

Automation, Production Systems, and Computer-integrated Manufacturing - Mikell P. Groover 2013-07-29

For advanced undergraduate/ graduate-level courses in Automation, Production Systems, and Computer-Integrated Manufacturing. This exploration of the technical and engineering aspects of automated production systems provides the most advanced, comprehensive, and balanced coverage of the subject of any text on the market. It covers all the major cutting-edge technologies of production automation and material handling, and how these technologies are used to construct modern manufacturing systems.

Production Ergonomics - Cecilia Berlin 2017-06-28

Production ergonomics – the science and practice of designing industrial workplaces to optimize human well-being and system performance – is a complex challenge for a designer. Humans are a valuable and flexible resource in any system of creation, and as long as they stay healthy, alert and motivated, they perform well and also become more competent over time, which increases their value as a resource. However, if a system designer is not mindful or aware of the many threats to health and system performance that may emerge, the end result may include inefficiency, productivity losses, low working morale, injuries and sick-leave. To help budding system designers and production engineers tackle these design challenges holistically, this book offers a multi-faceted orientation in the prerequisites for healthy and effective human work. We will cover physical, cognitive and organizational aspects of ergonomics, and provide both the individual human perspective and that of groups and populations, ending up with a look at global challenges that require workplaces to become more socially and economically sustainable. This

book is written to give you a warm welcome to the subject, and to provide a solid foundation for improving industrial workplaces to attract and retain healthy and productive staff in the long run.

Mechanical Vibrations - Tony L. Schmitz 2020-10-29

Now in an updated second edition, this classroom-tested textbook describes essential concepts in vibration analysis of mechanical systems. The second edition includes a new chapter on finite element modeling and an updated section on dynamic vibration absorbers, as well as new student exercises in each chapter. It incorporates the required mathematics, experimental techniques, fundamentals of modal analysis, and beam theory into a unified framework that is written to be accessible to undergraduate students, researchers, and practicing engineers. To unify the various concepts, a single experimental platform is used throughout the text to provide experimental data and evaluation. Engineering drawings for the platform are included in an appendix. Additionally, MATLAB programming solutions are integrated into the content throughout the text. The book is ideal for undergraduate students, researchers, and practicing engineers who are interested in developing a more thorough understanding of essential concepts in vibration analysis of mechanical systems. Presents a clear connection between continuous beam models and finite degree of freedom models; Includes MATLAB code to support numerical examples that are integrated into the text narrative; Uses mathematics to support vibrations theory and emphasizes the practical significance of the results.

Power System Analysis and Design - J. Duncan Glover 2011-01-03

The new edition of POWER SYSTEM ANALYSIS AND DESIGN provides students with an introduction to the basic concepts of power systems along with tools to aid them in applying these skills to real world situations. Physical concepts are highlighted while also giving necessary attention to mathematical techniques. Both theory and modeling are developed from simple beginnings so that they can be readily extended to new and complex situations. The authors incorporate new tools and material to aid students with design issues and reflect recent trends in the field. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The Mechatronics Handbook - 2 Volume Set - Robert H. Bishop 2018-10-08

The first comprehensive reference on mechatronics, The Mechatronics Handbook was quickly embraced as the gold standard in the field. From washing machines, to coffeemakers, to cell phones, to the ubiquitous PC in almost every household, what, these days, doesn't take advantage of mechatronics in its design and function? In the scant five years since the initial publication of the handbook, the latest generation of smart products has made this even more obvious. Too much material to cover in a single volume Originally a single-volume reference, the handbook has grown along with the field. The need for easy access to new material on rapid changes in technology, especially in computers and software, has made the single volume format unwieldy. The second edition is offered as two easily digestible books, making the material not only more accessible, but also more focused. Completely revised and updated, Robert Bishop's seminal work is still the most exhaustive, state-of-the-art treatment of the field available.

Modern Robotics - Kevin M. Lynch 2017-05-25

This introduction to robotics offers a distinct and unified perspective of the mechanics, planning and control of robots. Ideal for self-learning, or for courses, as it assumes only freshman-level physics, ordinary differential equations, linear algebra and a little bit of computing background. Modern Robotics presents the state-of-the-art, screw-theoretic techniques capturing the most salient physical features of a robot in an intuitive geometrical way. With numerous exercises at the end of each chapter, accompanying software written to reinforce the concepts in the book and video lectures aimed at changing the classroom

experience, this is the go-to textbook for learning about this fascinating subject.

Fundamentals of Machine Component Design - Robert C. Juvinall
2020-06-23

Fundamentals of Machine Component Design presents a thorough introduction to the concepts and methods essential to mechanical engineering design, analysis, and application. In-depth coverage of major topics, including free body diagrams, force flow concepts, failure theories, and fatigue design, are coupled with specific applications to bearings, springs, brakes, clutches, fasteners, and more for a real-world functional body of knowledge. Critical thinking and problem-solving skills are strengthened through a graphical procedural framework, enabling the effective identification of problems and clear presentation of solutions. Solidly focused on practical applications of fundamental theory, this text helps students develop the ability to conceptualize designs, interpret test results, and facilitate improvement. Clear presentation reinforces central ideas with multiple case studies, in-class exercises, homework problems, computer software data sets, and access to supplemental internet resources, while appendices provide extensive reference material on processing methods, joinability, failure modes, and material properties to aid student comprehension and encourage self-study.

Computational Statistical Mechanics - William Graham Hoover 1991
Hardbound. Computational Statistical Mechanics describes the use of fast computers to simulate the equilibrium and nonequilibrium properties of gases, liquids, and solids at, and away from equilibrium.

The underlying theory is developed from basic principles and illustrated by applying it to the simplest possible examples. Thermodynamics, based on the ideal gas thermometer, is related to Gibb's statistical mechanics through the use of Nose-Hoover heat reservoirs. These reservoirs use integral feedback to control temperature. The same approach is carried through to the simulation and analysis of nonequilibrium mass, momentum, and energy flows. Such a unified approach makes possible consistent mechanical definitions of temperature, stress, and heat flux which lead to a microscopic demonstration of the Second Law of Thermodynamics directly from mechanics. The intimate connection linking Lyapunov-unstable microscopic motions to macroscopic"

Mechanical Vibrations William John Palm 2007

Model, analyze, and solve vibration problems, using modern computer tools. Featuring clear explanations, worked examples, applications, and modern computer tools, William Palm's Mechanical Vibration provides a firm foundation in vibratory systems. You'll learn how to apply knowledge of mathematics and science to model and analyze systems ranging from a single degree of freedom to complex systems with two and more degrees of freedom. Separate MATLAB sections at the end of most chapters show how to use the most recent features of this standard engineering tool, in the context of solving vibration problems. The text introduces Simulink where solutions may be difficult to program in MATLAB, such as modeling Coulomb friction effects and simulating systems that contain non-linearities. Ample problems throughout the text provide opportunities to practice identifying, formulating, and solving vibration problems. KEY FEATURES Strong pedagogical approach, including chapter objectives and summaries Extensive worked examples illustrating applications Numerous realistic homework problems Up-to-date MATLAB coverage The first vibration textbook to cover Simulink Self-contained introduction to MATLAB in Appendix A Special section dealing with active vibration control in sports equipment Special sections devoted to obtaining parameter values from experimental data

Friction, Wear, Lubrication Kenneth C Ludema 2018-09-14

The second edition of a bestseller, this book introduces tribology in a way that builds students' knowledge and understanding. It includes expanded information on topics such as surface characterization as well as recent advances in the field. The book provides additional descriptions of common testing methods, including diagrams and surface texturing for enhanced lubrication, and more information on rolling element bearings. It also explores surface profile characterization and elastic plastic contact mechanics including wavy surface contact, rough surface contact models, friction and wear plowing models, and thermodynamic analysis of friction.

Advances in Mechanical Engineering - B. B. Biswal 2020-01-16

This book comprises select proceedings of the International Conference on Recent Innovations and Developments in Mechanical Engineering (ICRIDME 2018). The book contains peer reviewed articles covering thematic areas such as fluid mechanics, renewable energy, materials and manufacturing, thermal engineering, vibration and acoustics,

experimental aerodynamics, turbo machinery, and robotics and mechatronics. Algorithms and methodologies of real-time problems are described in this book. The contents of this book will be useful for both academics and industry professionals.

Mechanical Vibrations Haym Benaroya 2017-08-29

Mechanical Vibration: Analysis, Uncertainties, and Control, Fourth Edition addresses the principles and application of vibration theory. Equations for modeling vibrating systems are explained, and MATLAB® is referenced as an analysis tool. The Fourth Edition adds more coverage of damping, new case studies, and development of the control aspects in vibration analysis. A MATLAB appendix has also been added to help students with computational analysis. This work includes example problems and explanatory figures, biographies of renowned contributors, and access to a website providing supplementary resources.

Power Harvesting Via Smart Materials - A. K. Batra 2017

This monograph covers the fundamentals, fabrication, testing, and modeling of ambient energy harvesters based on three main streams of energy-harvesting mechanisms: piezoelectrics, ferroelectrics, and pyroelectrics. It addresses their commercial and biomedical applications, as well as the latest research results. Graduate students, scientists, engineers, researchers, and those new to the field will find this book a handy and crucial reference because it provides a comprehensive perspective on the basic concepts and recent developments in this rapidly expanding field.

Shigley's Mechanical Engineering Design Richard Budynas 2014-01-27

Vibration of Mechanical Systems - Alok Sinha 2010-10-18

This is a textbook for a first course in mechanical vibrations. There are many books in this area that try to include everything, thus they have become exhaustive compendiums, overwhelming for the undergraduate. In this book, all the basic concepts in mechanical vibrations are clearly identified and presented in a concise and simple manner with illustrative and practical examples. Vibration concepts include a review of selected topics in mechanics; a description of single-degree-of-freedom (SDOF) systems in terms of equivalent mass, equivalent stiffness, and equivalent damping; a unified treatment of various forced response problems (base excitation and rotating balance); an introduction to systems thinking, highlighting the fact that SDOF analysis is a building block for multi-degree-of-freedom (MDOF) and continuous system analyses via modal analysis; and a simple introduction to finite element analysis to connect continuous system and MDOF analyses. There are more than sixty exercise problems, and a complete solutions manual. The use of MATLAB® software is emphasized.

The Perilous Road - William O. Steele 2004

Fourteen-year-old Chris, bitterly hating the Yankees for invading his Tennessee mountain home, learns a difficult lesson about the waste of war and the meaning of tolerance and courage when he reports the approach of a Yankee supply troop to the Confedera

Fatigue of Aircraft Structures - United States. Naval Air Systems Command 1966

Modern Engineering Thermodynamics - Robert T. Balmer 2011-01-25

Modern Engineering Thermodynamics is designed for use in a standard two-semester engineering thermodynamics course sequence. The first half of the text contains material suitable for a basic Thermodynamics course taken by engineers from all majors. The second half of the text is suitable for an Applied Thermodynamics course in mechanical engineering programs. The text has numerous features that are unique among engineering textbooks, including historical vignettes, critical thinking boxes, and case studies. All are designed to bring real engineering applications into a subject that can be somewhat abstract and mathematical. Over 200 worked examples and more than 1,300 end of chapter problems provide opportunities to practice solving problems related to concepts in the text. Provides the reader with clear presentations of the fundamental principles of basic and applied engineering thermodynamics. Helps students develop engineering problem solving skills through the use of structured problem-solving techniques. Introduces the Second Law of Thermodynamics through a basic entropy concept, providing students a more intuitive understanding of this key course topic. Covers Property Values before the First Law of Thermodynamics to ensure students have a firm understanding of property data before using them. Over 200 worked examples and more than 1,300 end of chapter problems offer students extensive opportunity to practice solving problems. Historical Vignettes, Critical Thinking boxes and Case Studies throughout the book help relate abstract

concepts to actual engineering applications. For greater instructor flexibility at exam time, thermodynamic tables are provided in a separate accompanying booklet. Available online testing and assessment component helps students assess their knowledge of the topics. Email textbooks@elsevier.com for details.

Introduction to Manufacturing Processes - Mikell P. Groover 2011-09-19

Mikell Groover, author of the leading text in manufacturing processes, has developed Introduction to Manufacturing Processes as a more navigable and student-friendly text paired with a strong suite of additional tools and resources online to help instructors drive positive student outcomes. Focusing mainly on processes, tailoring down the typical coverage of both materials and systems. The emphasis on manufacturing science and mathematical modeling of processes is an important attribute of the new book. Real world/design case studies are also integrated with fundamentals - process videos provide students with a chance to experience being 'on the floor' in a manufacturing facility, followed by case studies that provide individual students or groups of students to dig into larger/more design-oriented problems.

Instrument Engineers' Handbook, Volume 3: Process Software and Digital Networks, Fourth Edition is the latest addition to an enduring collection that industrial automation (AT) professionals often refer to as the "bible." First published in 1970, the entire handbook is approximately 5,000 pages, designed as standalone volumes that cover the measurement (Volume 1), control (Volume 2), and software (Volume 3) aspects of automation. This fourth edition of the third volume provides an in-depth, state-of-the-art review of control software packages used in plant optimization, control, maintenance, and safety. Each updated volume of this renowned reference requires about ten years to prepare, so revised installments have been issued every decade, taking into account the numerous developments that occur from one publication to the next. Assessing the rapid evolution of automation and optimization in control systems used in all types of industrial plants, this book details the wired/wireless communications and software used. This includes the ever-increasing number of applications for intelligent instruments, enhanced networks, Internet use, virtual private networks, and integration of control systems with the main networks used by management, all of which operate in a linked global environment. Topics covered include: Advances in new displays, which help operators to more quickly assess and respond to plant conditions Software and networks that help monitor, control, and optimize industrial processes, to determine the efficiency, energy consumption, and profitability of operations Strategies to counteract changes in market conditions and energy and raw material costs Techniques to fortify the safety of plant operations and the security of digital communications systems This volume explores why the holistic approach to integrating process and enterprise networks is convenient and efficient, despite associated problems involving cyber and local network security, energy conservation, and other issues. It shows how firewalls must separate the business (IT) and the operation (automation technology, or AT) domains to guarantee the safe function of all industrial plants. This book illustrates how these concerns must be addressed using effective technical solutions and proper management policies and practices. Reinforcing the fact that all industrial control systems are, in general, critically interdependent, this handbook provides a wide range of software application examples from industries including: automotive, mining, renewable energy, steel, dairy, pharmaceutical, mineral processing, oil, gas, electric power, utility, and nuclear power.

The Mechanical Systems Design Handbook Yildirim Hurmuzlu 2017-12-19

With a specific focus on the needs of the designers and engineers in industrial settings, The Mechanical Systems Design Handbook: Modeling, Measurement, and Control presents a practical overview of basic issues associated with design and control of mechanical systems. In four sections, each edited by a renowned expert, this book answers diverse questions fundamental to the successful design and implementation of mechanical systems in a variety of applications. Manufacturing addresses design and control issues related to manufacturing systems. From fundamental design principles to control of discrete events, machine tools, and machining operations to polymer processing and precision manufacturing systems. Vibration Control explores a range of topics related to active vibration control, including piezoelectric networks, the boundary control method, and semi-active suspension systems. Aerospace Systems presents a detailed analysis of the mechanics and dynamics of tensegrity structures Robotics offers

encyclopedic coverage of the control and design of robotic systems, including kinematics, dynamics, soft-computing techniques, and teleoperation. Mechanical systems designers and engineers have few resources dedicated to their particular and often unique problems. The Mechanical Systems Design Handbook clearly shows how theory applies to real world challenges and will be a welcomed and valuable addition to your library.

FUNDAMENTALS OF MODERN MANUFACTURING: MATERIALS, PROCESSES, AND SYSTEMS, 3RD ED (With CD) - Mikell P. Groover 2009-09-01

Market_Desc: Engineers, Material Scientists, Chemists, Plant Managers, and Consultants. Special Features: · Presents a new chapter on nanotechnology. · Includes updated and new line drawings and photographs that enhance the material. · Offers updated problem sets and questions throughout the chapters. · Covers electronics manufacturing, one of the most commercially important areas in today's technology-oriented economy. · Contains historical notes that introduce manufacturing from the earliest materials and processes, like woodworking, to the most recent. About The Book: In this introductory book, Groover not only takes a modern, all-inclusive look at manufacturing processes but also provides substantial coverage of engineering materials and production systems. It follows a more quantitative and design-oriented approach than other texts in the market, helping readers gain a better understanding of important concepts. They'll also discover how material properties relate to the process variables in a given process as well as how to perform manufacturing science and quantitative engineering analysis of manufacturing processes.

Workshop Processes, Practices and Materials Black 2010-10-28
Workshop Processes, Practices and Materials is an ideal introduction to workshop processes, practices and materials for entry-level engineers and workshop technicians. With detailed illustrations throughout and simple, clear language, this is a practical introduction to what can be a very complex subject. It has been significantly updated and revised to include new material on adhesives, protective coatings, plastics and current Health and Safety legislation. It covers all the standard topics, including safe practices, measuring equipment, hand and machine tools, materials and joining methods, making it an indispensable handbook for use both in class and the workshop. Its broad coverage makes it a useful reference book for many different courses worldwide.

Mechanical Vibrations Thammaiah Gowda 2012

Engineering Vibrations - William J. Bottega 2014-12-11

A thorough study of the oscillatory and transient motion of mechanical and structural systems, Engineering Vibrations, Second Edition presents vibrations from a unified point of view, and builds on the first edition with additional chapters and sections that contain more advanced, graduate-level topics. Using numerous examples and case studies to r

System Dynamics and Response - S. Graham Kelly 2008-09-01

As engineering systems become more increasingly interdisciplinary, knowledge of both mechanical and electrical systems has become an asset within the field of engineering. All engineers should have general facility with modeling of dynamic systems and determining their response and it is the objective of this book to provide a framework for that understanding. The study material is presented in four distinct parts; the mathematical modeling of dynamic systems, the mathematical solution of the differential equations and integro differential equations obtained during the modeling process, the response of dynamic systems, and an introduction to feedback control systems and their analysis. An Appendix is provided with a short introduction to MATLAB as it is frequently used within the text as a computational tool, a programming tool, and a graphical tool. SIMULINK, a MATLAB based simulation and modeling tool, is discussed in chapters where the development of models use either the transfer function approach or the state-space method.

Fundamentals of Vibrations - Leonard Meirovitch 2010-06-17

Fundamentals of Vibrations provides a comprehensive coverage of mechanical vibrations theory and applications. Suitable as a textbook for courses ranging from introductory to graduate level, it can also serve as a reference for practicing engineers. Written by a leading authority in the field, this volume features a clear and precise presentation of the material and is supported by an abundance of physical explanations, many worked-out examples, and numerous homework problems. The modern approach to vibrations emphasizes analytical and computational solutions that are enhanced by the use of MATLAB. The text covers single-degree-of-freedom systems, two-degree-of-freedom systems,

elements of analytical dynamics, multi-degree-of-freedom systems, exact methods for distributed-parameter systems, approximate methods for distributed-parameter systems, including the finite element method, nonlinear oscillations, and random vibrations. Three appendices provide pertinent material from Fourier series, Laplace transformation, and linear algebra.

Manufacturing Processes H. N. Gupta 2012-09

Effective from 2008-09 session, U.P.T.U. has introduced the subject of manufacturing processes for first year engineering students of all streams. This textbook covers the entire course material in a distilled form.

Shigley's Mechanical Engineering Design Richard G. Budynas 2014-08-26

Intended for students beginning the study of mechanical engineering design, this book helps students find that the text inherently directs them into familiarity with both the basics of design decisions and the standards of industrial components.

Robotics - B. Z. Sandler 1999-04-28

Robotics, Second Edition is an essential addition to the toolbox of any engineer or hobbyist involved in the design of any type of robot or automated mechanical system. It is the only book available that takes the reader through a step-by-step design process in this rapidly advancing specialty area of machine design. This book provides the professional engineer and student with important and detailed methods and examples of how to design the mechanical parts of robots and automated systems. Most robotics and automation books today emphasize the electrical and control aspects of design without any practical coverage of how to design and build the components, the machine or the system. The author draws on his years of industrial design experience to show the reader the design process by focusing on the real, physical parts of robots and automated systems. Answers the questions: How are machines built? How do they work? How does one best approach the design process for a specific machine? Thoroughly updated with new coverage of modern concepts and techniques, such as rapid modeling, automated assembly, parallel-driven robots and mechatronic systems Calculations for design completed with Mathematica which will help the reader through its ease of use, time-saving methods, solutions to nonlinear equations, and graphical display of design processes Use of real-world examples and problems that every reader can understand without difficulty Large number of high-quality illustrations Self-study and homework problems are integrated into the text along with their solutions so that the engineering professional and the student will each find the text very useful

Mechanical Vibrations - Francis S. Tse 1983

Linear Algebra and Its Applications, Global Edition - David C. Lay 2015-06-03

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. Note: You are purchasing a standalone product; MyMathLab does not come packaged with this content.

MyMathLab is not a self-paced technology and should only be purchased when required by an instructor. If you would like to purchase "both" the physical text and MyMathLab, search for: 9780134022697 / 0134022696 Linear Algebra and Its Applications plus New MyMathLab with Pearson eText -- Access Card Package, 5/e With traditional linear algebra texts, the course is relatively easy for students during the early stages as material is presented in a familiar, concrete setting. However, when abstract concepts are introduced, students often hit a wall. Instructors seem to agree that certain concepts (such as linear independence, spanning, subspace, vector space, and linear transformations) are not easily understood and require time to assimilate. These concepts are fundamental to the study of linear algebra, so students' understanding of them is vital to mastering the subject. This text makes these concepts more accessible by introducing them early in a familiar, concrete "Rn" setting, developing them gradually, and returning to them throughout the text so that when they are discussed in the abstract, students are readily able to understand.

Mechanical Vibrations - Singiresu S. Rao 2016-01-01

Mechanical Vibrations, 6/e is ideal for undergraduate courses in Vibration Engineering. Retaining the style of its previous editions, this text presents the theory, computational aspects, and applications of vibrations in as simple a manner as possible. With an emphasis on computer techniques of analysis, it gives expanded explanations of the fundamentals, focusing on physical significance and interpretation that build upon students' previous experience. Each self-contained topic fully explains all concepts and presents the derivations with complete details. Numerous examples and problems illustrate principles and concepts.

Mechanical Vibrations: Theory and Applications - Kelly 2012-07-27

Mechanical Vibrations: Theory and Applications takes an applications-based approach at teaching students to apply previously learned engineering principles while laying a foundation for engineering design. This text provides a brief review of the principles of dynamics so that terminology and notation are consistent and applies these principles to derive mathematical models of dynamic mechanical systems. The methods of application of these principles are consistent with popular Dynamics texts. Numerous pedagogical features have been included in the text in order to aid the student with comprehension and retention. These include the development of three benchmark problems which are revisited in each chapter, creating a coherent chain linking all chapters in the book. Also included are learning outcomes, summaries of key concepts including important equations and formulae, fully solved examples with an emphasis on real world examples, as well as an extensive exercise set including objective-type questions. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Machine Component Design - Robert C. Juvinall 2013