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Shortwave Listening Guidebook - Harry L. Helms 1993
Join the listeners of shortwave radio. This new edition of "Shortwave Listening Guidebook" is a ticket to the world in direct, non-technical language and helps in selecting the right shortwave radio, how reception conditions vary throughout the day and year, how to correctly operate the radio, and provides information on frequencies used by stations around the world.
Manual on Drainage in Urbanized Areas: Data collection and analysis for drainage design - Wolfgang F. Geiger 1987
The main objectives of the manual are to advance the understanding of complex interactions between urban drainage and other facets of urban water resources, to increase the awareness of various planning alternatives , to aid in the selection of appropriate calculation procedures to demonstrate the importance of input and supporting data, to guide the decision-makers and designers in implementation of urban drainage projects, and to increase awareness of pitfalls of drainage planning.
Structural Analysis - R. C. Hibbeler 2012
Structural Analysis, 8e, provides readers with a clear and thorough presentation of the theory and application of structural analysis as it applies to trusses, beams, and frames. Emphasis is placed on teaching readers to both model and analyze a structure. Procedures for Analysis, Hibbeler's problem solving methodologies, provides readers with a logical, orderly method to follow when applying theory.
Far from the fire - Jorge Argueta 2002

Civil Engineering Reference Manual for the PE Exam - Michael R. Lindeburg 2012

The Civil Engineering Reference Manual provides a comprehensive review of all five NCEES Civil PE exam content areas: construction, geotechnical, structural, transportation, and water resources and environmental engineering. Over 500 example problems not only demonstrate how to apply important concepts and equations, they also include step-by-step solutions that show you the most efficient methods to use when solving exam problems. With more than 100 appendices from references and exam-adopted design standards it''s possible to solve many exam problems using only the Civil Engineering Reference Manual. Features of the Civil Engineering Reference Manual More than 500 example problems Over 400 defined engineering terms References to over 3,300 equations, 760 figures, and 500 tables Index includes cross-topic concepts Example problems use both SI and U.S. Customary units Consistent nomenclature in each chapter Coverage of both theory and practical applications Easy-to-read explanations Easy-to-use index and full glossary Exam Topics Covered (used in main product description in Magento, and also in the separate "Topics Covered" field) Construction: Earthwork construction and layout; material quality control and production; quantity and cost estimation; temporary structures; scheduling Geotechnical: Earth and earth-retaining structures; shallow foundations; soil mechanics analysis; soils and materials properties; subsurface exploration and sampling Structural: Loadings; analysis; materials and their mechanics; member design Transportation: Geometric design Water Resources and Environmental: Closed conduit and open channel hydraulics; hydrology; water

and wastewater treatment What''s New in This Edition (used in main product description in Magento) Updated to current exam-adopted codes and standards for: AASHTO: AASHTO LRFD Bridge Design Specifications, 5th ed., 2010 ACI 318: Building Code Requirements for Structural Concrete, 2008 ACI 530: Building Code Requirements and Specification for Masonry Structures, 2008 IBC: International Building Code, 2009 Modified concrete and masonry chapters to be consistent with NCEES'' revised structural specifications Removed all ACI 318 App. C theory, equations, and examples to be consistent with NCEES requirement of exclusive use of ACI 318 unified strength methods Provided new content, including Added new chapter on highway bridge rating 31 chapters with revisions to existing materials 10 chapters with new material 51 revised equations 13 new equations 15 revised tables 2 new tables 19 revised examples 5 new examples 3 revised appendices 13 revised figures 6 new figures Added 130 new index entries to new and existing material

Effective Oracle by Design - Thomas Kyte 2003-09-12
Tom Kyte of Oracle Magazine's "Ask Tom" column has written the definitive guide to designing and building high-performance, scalable Oracle applications. The book covers schema design, SQL and PL/SQL, tables and indexes, and much more. From the exclusive publisher of Oracle Press books, this is a must-have resource for all Oracle developers and DBAs.

Active Calculus 2018 - Matthew Boelkins 2018-08-13
Active Calculus - single variable is a free, open-source calculus text that is designed to support an active learning approach in the standard first two semesters of calculus, including approximately 200 activities and 500 exercises. In the HTML version, more than 250 of the exercises are available as interactive WeBWorK exercises; students will love that the online version even looks great on a smart phone. Each section of Active Calculus has at least 4 in-class activities to engage students in active learning. Normally, each section has a brief introduction together with a preview activity, followed by a mix of exposition and several more activities.

Each section concludes with a short summary and exercises; the non-WeBWorK exercises are typically involved and challenging. More information on the goals and structure of the text can be found in the preface.
Seismic Design for Buildings - United States. Dept. of the Army 1966

Physics - Raymond A. Serway 2012
Building upon Serway and Jewetta s solid foundation in the modern classic text, Physics for Scientists and Engineers, this first Asia-Pacific edition of Physics is a practical and engaging introduction to Physics. Using international and local case studies and worked examples to add to the concise language and high quality artwork, this new regional edition further engages students and highlights the relevance of this discipline to their learning and lives.
Automobile fuel economy :... -

Handbook of Port and Harbor Engineering - Gregory Tsinker 2014-11-14
This indispensable handbook provides state-of-the-art information and common sense guidelines, covering the design, construction, modernization of port and harbor related marine structures. The design procedures and guidelines address the complex problems and illustrate factors that should be considered and included in appropriate design scenarios.
Accident Cause Analysis - K. Perchonok 1972

Fuzzy Set Theory — and Its Applications - Hans-Jürgen Zimmermann 2013-12-01

Rethinking 'Classical Yoga' and Buddhism - Karen O'Brien-Kop 2021-09-09
This book revisits the early systemic formation of meditation practices called 'yoga' in South Asia by employing metaphor theory. Karen O'Brien-Kop also develops an alternative way of analysing the reception history of yoga that aims to decentre the Eurocentric and imperialist enterprises of the nineteenth-century to reframe the cultural period of the 1st – 5th centuries CE using categorical markers from South Asian intellectual history. Buddhist traditions were just as concerned as Hindu traditions with meditative disciplines of yoga. By exploring the

intertextuality of the Patanjalayogasastra with texts such as Vasubandhu's Abhidharmakosabhasya and Asanga's Yogacarabhumisastra, this book highlights and clarifies many ideologically Buddhist concepts and practices in Patanjala yoga. Karen O'Brien-Kop demonstrates that 'classical yoga' was co-constructed systemically by both Hindu and Buddhist thinkers who were drawing on the same conceptual metaphors of the period. This analysis demystifies early yoga-meditation as a timeless 'classical' practice and locates it in a specific material context of agrarian and urban economies.

Electronic Diesel Control (EDC) - Robert Bosch 2003-08-01
The familiar yellow Technical Instruction series from Bosch have long proved one of their most popular instructional aids. They provide a clear and concise overview of the theory of operation, component design, model variations, and technical terminology for the entire Bosch product line, and give a solid foundation for better diagnostics and servicing. Clearly written and illustrated with photos, diagrams and charts, these books are equally at home in the vocational classroom, apprentices toolkit, or enthusiasts fireside chair. If you own a car, especially a European one, you have Bosch components and systems. Covers:-Lambda closed-loop control for passenger car diesel engines-Functional description-Triggering signals

Drilling Engineering - Neal Jay Adams 1985

Intermediate Mechanics of Materials - J. R. Barber 2010-11-02
This book covers the essential topics for a second-level course in strength of materials or mechanics of materials, with an emphasis on techniques that are useful for mechanical design. Design typically involves an initial conceptual stage during which many options are considered. At this stage, quick approximate analytical methods are crucial in determining which of the initial proposals are feasible. The ideal would be to get within 30% with a few lines of calculation. The designer also needs to develop experience as to the kinds of features in the geometry or the loading that are most likely to lead to critical conditions. With this in mind, the author tries wherever possible to give a physical and even an intuitive interpretation to the problems under investigation. For example, students are encouraged to estimate the location of weak and strong bending axes and the resulting neutral axis of bending before performing calculations, and the author discusses ways of getting good accuracy with a simple one degree of freedom Rayleigh-Ritz approximation. Students are also encouraged to develop a feeling for structural deformation by performing simple experiments in their outside environment, such as estimating the radius to which an initially straight bar can be bent without producing permanent deformation, or convincing themselves of the dramatic difference between torsional and bending stiffness for a thin-walled open beam section by trying to bend and then twist a structural steel beam by hand-applied loads at one end. In choosing dimensions for mechanical components, designers will expect to be guided by criteria of minimum weight, which with elementary calculations, generally leads to a thin-walled structure as an optimal solution. This consideration motivates the emphasis on thin-walled structures, but also demands that students be introduced to the limits imposed by structural instability. Emphasis is also placed on the effect of manufacturing errors on such highly-designed structures - for example, the effect of load misalignment on a beam with a large ratio between principal stiffness and the large magnification of initial alignment or loading errors in a strut below, but not too far below the buckling load. Additional material can be found on http://extras.springer.com/ .

Geometry for Enjoyment and Challenge - Richard Rhoad 1991-06-01

Kingdom of Twilight - Steven Uhly 2018-08-07
"POWERFUL AND ORIGINAL." --THE TIMES "REWARDING AND WHOLLY ENGAGING." --HISTORICAL NOVEL SOCIETY "ONE OF THE MOST IMPORTANT AND POWERFUL NOVELS OF RECENT GERMAN LITERATURE." --DEUTSCHLANDRADIO KULTUR Hypnotically lyrical and intensely moving, Steven Uhly's epic novel set in the wake of World War II is a finely nuanced yet shattering exploration of universal themes: love, hatred, doubt, survival, guilt,

humanity, and redemption. One night in autumn 1944, a gunshot echoes through the alleyways of a small town in occupied Poland. An SS officer is shot dead by a young Polish Jew, Margarita Ejzenstain. In retaliation, his commander orders the execution of thirty-seven Poles--one for every year of the dead man's life. First hidden by a sympathetic German couple, Margarita must then flee the brutal advance of the Soviet army with her newborn baby. So begins a thrilling panorama of intermingled destinies and events that reverberate from that single act of defiance. Kingdom of Twilight follows the lives of Jewish refugees and a German family resettled from Bukovina, as well as a former SS officer, chronicling the geographical and psychological dislocation generated by war. A quest for identity and truth takes them from refugee camps to Lübeck, Berlin, Tel Aviv, and New York, as they try to make sense of a changed world, and of their place in it.

Alternators and Starter Motors - Robert Bosch GmbH. 2003

Theoretical and Applied Aerodynamics - J. J. Chattot 2015-03-31
This book covers classical and modern aerodynamics, theories and related numerical methods, for senior and first-year graduate engineering students, including: -The classical potential (incompressible) flow theories for low speed aerodynamics of thin airfoils and high and low aspect ratio wings. - The linearized theories for compressible subsonic and supersonic aerodynamics. - The nonlinear transonic small disturbance potential flow theory, including supercritical wing sections, the extended transonic area rule with lift effect, transonic lifting line and swept or oblique wings to minimize wave drag. Unsteady flow is also briefly discussed. Numerical simulations based on relaxation mixed-finite difference methods are presented and explained. - Boundary layer theory for all Mach number regimes and viscous/inviscid interaction procedures used in practical aerodynamics calculations. There are also four chapters covering special topics, including wind turbines and propellers, airplane design, flow analogies and hypersonic (rotational) flows. A unique feature of the book is its ten self-tests and their solutions as well as an appendix on special techniques of functions of complex variables, method of characteristics and conservation laws and shock waves. The book is the culmination of two courses taught every year by the two authors for the last two decades to seniors and first-year graduate students of aerospace engineering at UC Davis.

Cylinder components - MAHLE GmbH 2010-08-09
As today's spark-ignition and diesel engines have to fulfil constantly increasing demands with regard to CO_2 reduction, emissions, weight and lifetime, detailed knowledge of the components of an internal combustion engine is absolutely essential. Automotive engineers can no longer survive without such expertise, regardless of whether they are involved in design, development, testing or maintenance. This text book provides answers to questions relating to the design, production and machining of cylinder components in a comprehensive technical analysis.

An Introduction to Food Grade Nanoemulsions - Nandita Dasgupta 2018-01-03
This book provides authentic and comprehensive information on the concepts, methods, functional details and applications of nano-emulsions. Following an introduction to the applications of nanotechnology in the development of foods, it elaborates on food-grade nano-emulsion and their significance, discusses various techniques and methods for producing food-grade nano-emulsion, and reviews the main ingredient and component of food-grade nano-emulsions. Further, the book includes a critical review of the engineering aspect of fabricating food-grade nano-emulsions and describe recently developed vitamin encapsulated nano-systems. In closing, it discuss the challenges and opportunities of characterizing nano-emulsified systems, the market risks and opportunities of nano-emulsified foods, and packaging techniques and safety issues – including risk identification and risk management – for nano-foods. The book offers a unique guide for scientists and researchers working in this field. It will also help researchers, policymakers, industry personnel, journalists and the general public to understand food nanotechnology in great detail.

Maximum Exposure - Alison Kent 2008-12-01
In Alison Kent's brand-new novel set in Miami's

sultry South Beach, Finn finds a woman who can melt his ice-cool exterior with one look, and a case that could land them both in hot water. . . Finn McLain is no stranger to unusual assignments. But the gorgeous stranger who just asked him to photograph her for an erotic art exhibit--that's definitely a first. Finn came to Miami to dig into the personal life of boutique manager Roland Green for a lovesick gallery owner, and hadn't planned on sticking around. But the boutique's owner, Olivia Hammond, has just made him a proposal that's as hard to ignore as Olivia herself. She's got caramel-kissed skin, a body that makes grown men tremble, and a wild sideline as an exhibitionist. Ooookay. Yet despite her willingness to "let people look," Finn's convinced there's a hell of a lot Olivia's not revealing. And that's the most intriguing prospect of all. . . Olivia has never been shy about using her sexuality to get what she wants. But then, she's never wanted a man quite the way she wants Finn. What he thinks about her shouldn't matter, yet it does. Through every candid photograph and every heated encounter, Finn is getting closer, intent on getting beneath her shell--and for once, Olivia is tempted to let him. But first they have to contend with the fact that Finn's simple investigation into Roland Green is getting dangerously complicated. . .and Olivia isn't the only person in town who's not what she claims to be. In a city throbbing with sex appeal, two wary lovers are about to play the ultimate game of show and tell, where temptation is raw, wild, and hot enough to make you sizzle. . . ". . .sizzles and thrills, with characters so sexy they scorch the pages!" --Tess Gerritsen

The Finite Volume Method in Computational Fluid Dynamics - F. Moukalled 2015-08-13 This textbook explores both the theoretical foundation of the Finite Volume Method (FVM) and its applications in Computational Fluid Dynamics (CFD). Readers will discover a thorough explanation of the FVM numerics and algorithms used for the simulation of incompressible and compressible fluid flows, along with a detailed examination of the components needed for the development of a collocated unstructured pressure-based CFD solver. Two particular CFD codes are explored. The first is uFVM, a three-dimensional unstructured pressure-based finite volume academic CFD code, implemented within Matlab. The second is OpenFOAM®, an open source framework used in the development of a range of CFD programs for the simulation of industrial scale flow problems. With over 220 figures, numerous examples and more than one hundred exercise on FVM numerics, programming, and applications, this textbook is suitable for use in an introductory course on the FVM, in an advanced course on numerics, and as a reference for CFD programmers and researchers.

Fundamental Mechanics of Fluids, Third Edition - Iain G. Currie 2002-12-12 Retaining the features that made previous editions perennial favorites, Fundamental Mechanics of Fluids, Third Edition illustrates basic equations and strategies used to analyze fluid dynamics, mechanisms, and behavior, and offers solutions to fluid flow dilemmas encountered in common engineering applications. The new edition contains completely reworked line drawings, revised problems, and extended end-of-chapter questions for clarification and expansion of key concepts. Includes appendices summarizing vectors, tensors, complex variables, and governing equations in common coordinate systems Comprehensive in scope and breadth, the Third Edition of Fundamental Mechanics of Fluids discusses: Continuity, mass, momentum, and energy One-, two-, and three-dimensional flows Low Reynolds number solutions Buoyancy-driven flows Boundary layer theory Flow measurement Surface waves Shock waves

Introduction to the Theory of Stochastic Processes Depending on a Continuous Parameter - Henry Berthold Mann 1953

Fluid Mechanics - Pijush K. Kundu 2012 Suitable for both a first or second course in fluid mechanics at the graduate or advanced undergraduate level, this book presents the study of how fluids behave and interact under various forces and in various applied situations - whether in the liquid or gaseous state or both. ELEMENTOS DE INGENIERIA DE LAS REACCIONES QUIMICAS - H. Scott Fogler 2001

Partial Differential Equations and

Mathematica - Prem K. Kythe 2018-10-03 Early training in the elementary techniques of partial differential equations is invaluable to students in engineering and the sciences as well as mathematics. However, to be effective, an undergraduate introduction must be carefully designed to be challenging, yet still reasonable in its demands. Judging from the first edition's popularity, instructors and students agree that despite the subject's complexity, it can be made fairly easy to understand. Revised and updated to reflect the latest version of Mathematica, Partial Differential Equations and Boundary Value Problems with Mathematica, Second Edition meets the needs of mathematics, science, and engineering students even better. While retaining systematic coverage of theory and applications, the authors have made extensive changes that improve the text's accessibility, thoroughness, and practicality. New in this edition: Upgraded and expanded Mathematica sections that include more exercises An entire chapter on boundary value problems More on inverse operators, Legendre functions, and Bessel functions Simplified treatment of Green's functions that make it more accessible to undergraduates A section on the numerical computation of Green's functions Mathemcatica codes for solving most of the problems discussed Boundary value problems from continuum mechanics, particularly on boundary layers and fluctuating flows Wave propagation and dispersion With its emphasis firmly on solution methods, this book is ideal for any mathematics curricula. It succeeds not only in preparing readers to meet the challenge of PDEs, but also in imparting the inherent beauty and applicability of the subject.

This Ain't Your Mother's Poetry Book - Michael McAdams 2014-10-05 This is a poetry compilation for people that are not necessarily interested in reading poetry. The featured works range from weird to vulgar to humorous to awkward. Each poem is combined with an image, sharing the page by fighting and/or complimenting each other.

Business Data Networks and Security, Global Edition - Julia L. Panko 2014-12-18 For undergraduate and graduate courses in Business Data Communication / Networking (MIS) Clear writing style, job-ready detail, and focus on the technologies used in today's marketplace Business Data Networks and Security guides readers through the details of networking, while helping them train for the workplace. It starts with the basics of security and network design and management; goes beyond the basic topology and switch operation covering topics like VLANs, link aggregation, switch purchasing considerations, and more; and covers the latest in networking techniques, wireless networking, with an emphasis on security. With this text as a guide, readers learn the basic, introductory topics as a firm foundation; get sound training for the marketplace; see the latest advances in wireless networking; and learn the importance and ins and outs of security. Teaching and Learning Experience This textbook will provide a better teaching and learning experience-for you and your students. Here's how: *The basic, introductory topics provide a firm foundation. *Job-level content prepares students with the skills demanded by today's employers.*The latest in networking techniques and wireless networking, including a focus on security, keeps students up to date and aware of what's going on in the field. *The flow of the text guides students through the material. MyMISLab not included. Students, if MyMISLab is a recommended/mandatory component of the course, please ask your instructor for the correct ISBN and course ID. MyMISLab is not a self-paced technology and should only be purchased when required by an instructor. Instructors, contact your Pearson representative for more information. MyMISLab is an online homework, tutorial, and assessment product designed to personalize learning and improve results. With a wide range of interactive, engaging, and assignable activities, students are encouraged to actively learn and retain tough course concepts. Transforms and Applications Primer for Engineers with Examples and MATLAB® - Alexander D. Poularikas 2018-09-03 Transforms and Applications Primer for Engineers with Examples and MATLAB® is required reading for engineering and science students, professionals, and anyone working on problems involving transforms. This invaluable primer contains the most essential integral transforms that both practicing engineers and

students need to understand. It provides a large number of examples to explain the use of transforms in different areas, including circuit analysis, differential equations, signals and systems, and mechanical vibrations. Includes an appendix with suggestions and explanations to help you optimize your use of MATLAB Laplace and Fourier transforms are by far the most widely used and most useful of all integral transforms, so they are given a more extensive treatment in this book, compared to other texts that include them. Offering numerous MATLAB functions created by the author, this comprehensive book contains several appendices to complement the main subjects. Perhaps the most important feature is the extensive tables of transforms, which are provided to supplement the learning process. This book presents advanced material in a format that makes it easier to understand, further enhancing its immense value as a teaching tool for engineers and research scientists in academia and industry, as well as students in science and engineering.

Elementary Principles of Chemical Processes, 3rd Edition 2005 Edition Integrated Media and Study Tools, with Student Workbook - Richard M. Felder 2005-02-02
This best selling text prepares students to formulate and solve material and energy balances in chemical process systems and lays the foundation for subsequent courses in chemical engineering. The text provides a realistic, informative, and positive introduction to the practice of chemical engineering. The Integrated Media Edition update provides a stronger link between the text, media supplements, and new student workbook.

Western Technology and Soviet Economic Development - Antony C. Sutton 1968

Chemical Rocket/propellant Hazards - United States. Chemical Propulsion Information Agency 1973

Is Something Fishy Going On? - Judith E. Foulke 1993

Dynamic Modeling and Control of Engineering Systems - Bohdan T. Kulakowski 2007-07-02

This textbook is ideal for a course in engineering systems dynamics and controls. The work is a comprehensive treatment of the analysis of lumped parameter physical systems. Starting with a discussion of mathematical models in general, and ordinary differential equations, the book covers input/output and state space models, computer simulation and modeling methods and techniques in mechanical, electrical, thermal and fluid domains. Frequency domain methods, transfer functions and frequency response are covered in detail. The book concludes with a treatment of stability, feedback control (PID, lead-lag, root locus) and an introduction to discrete time systems. This new edition features many new and expanded sections on such topics as: solving stiff systems, operational amplifiers, electrohydraulic servovalves, using Matlab with transfer functions, using Matlab with frequency response, Matlab tutorial and an expanded Simulink tutorial. The work has 40% more end-of-chapter exercises and 30% more examples.

Introduction to Solid State Physics - Charles Kittel 2019

Automate the Boring Stuff with Python, 2nd Edition - Al Sweigart 2019-11-12
The second edition of this best-selling Python book (over 500,000 copies sold!) uses Python 3 to teach even the technically uninclined how to write programs that do in minutes what would take hours to do by hand. There is no prior programming experience required and the book is loved by liberal arts majors and geeks alike. If you've ever spent hours renaming files or updating hundreds of spreadsheet cells, you know how tedious tasks like these can be. But what if you could have your computer do them for you? In this fully revised second edition of the best-selling classic Automate the Boring Stuff with Python, you'll learn how to use Python to write programs that do in minutes what would take you hours to do by hand--no prior programming experience required. You'll learn the basics of Python and explore Python's rich library of modules for performing specific tasks, like scraping data off websites, reading PDF and Word documents, and automating clicking and typing tasks. The second edition of this international fan favorite includes a brand-new

chapter on input validation, as well as tutorials on automating Gmail and Google Sheets, plus tips on automatically updating CSV files. You'll learn how to create programs that effortlessly perform useful feats of automation to: • Search for text in a file or across multiple files • Create, update, move, and rename files and folders • Search the Web and download online content • Update and format data in Excel spreadsheets of any size • Split, merge, watermark, and encrypt PDFs • Send email responses and text notifications • Fill out online forms Step-by-step instructions walk you through each program, and updated practice projects at the end of each chapter challenge you to improve those programs and use your newfound skills to automate similar tasks. Don't spend your time doing work a well-trained monkey could do. Even if you've never written a line of code, you can make your computer do the grunt work. Learn how in Automate the Boring Stuff with Python, 2nd Edition.