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IBM System Storage Business Continuity: Part 1 Planning Guide Nov 16 2019 A disruption to your critical business processes could leave the entire business exposed. Today's organizations face ever-escalating customer demands and expectations. There is no room for downtime. You need to provide your customers with continuous service because your customers have a lot of choices. Your competitors are standing ready to take your place. As you work hard to grow your business, you face the challenge of keeping your business running without a glitch. To remain competitive, you need a resilient IT infrastructure. This IBM Redbooks publication introduces the importance of Business Continuity in today's IT environments. It provides a comprehensive guide to planning for IT Business Continuity and can help you design and select an IT Business Continuity solution that is right for your business environment. We discuss the concepts, procedures, and solution selection for Business Continuity in detail, including the essential set of IT Business Continuity requirements that you need to identify a solution. We also present a rigorous Business Continuity Solution Selection Methodology that includes a sample Business Continuity workshop with step-by-step instructions in defining requirements. This book is meant as a central resource book for IT Business Continuity planning and design. The companion title to this book, *IBM System Storage Business Continuity: Part 2 Solutions Guide*, SG24-6548, describes detailed product solutions in the System Storage Resiliency Portfolio.

Books and Pamphlets, Including Serials and Contributions to Periodicals May 15 2022

Grandmaster Chess Strategy Apr 02 2021 What Amateurs Can Learn from Ulf Andersson's Positional Masterpieces One of the most effective ways to improve your chess is to take a world class-player as your example. By collecting his games, studying his choices and examining his style, you will understand what made him rise to the very top. This is what Guido Kern and Jurgen Kaufeld have done with Swedish chess legend Ulf Andersson, a positional genius with a crystal-clear style, who rose to the number 4 spot of the FIDE world rankings. Kaufeld and Kern have selected 80 of Andersson's games and grouped them into 15 thematic strategy lessons, pinpointing exactly how the Swede made the difference in each case. Their instructive verbal explanations will improve your strategic skills and your positional feeling. Every chess player knows how difficult it can be to convert an advantage into a win. Positional technique is what you need and Grandmaster Chess Strategy teaches you exactly that. Throughout the book the authors have selected dozens of test positions at particularly instructive stages of the games.

Designing Usable Texts Jan 31 2021 Designing Usable Texts covers the analysis of textual communication processes in the real world of publishing systems and work sites. The book presents topics on designing and understanding of written texts; authoring, editing, and the production process; and training authors of informative documents. The text also describes the policies and processes of editing; lessons in text design from an instructional design perspective; and graphics and design alternatives such as studying strategies and their implications for textbook design. The identification of information requirements such as understanding readers and their uses of texts, modeling users and their use of technical manuals, is also considered. Psychologists and people involved in communication design, document design, information mapping, and educational technology will find the book invaluable.

Probability and Statistics Sep 19 2022 Unlike traditional introductory math/stat textbooks, Probability and Statistics: The Science of Uncertainty brings a modern flavor to the course, incorporating the computer and offering an integrated approach to inference that includes the frequency approach and the Bayesian inference. From the start the book integrates simulations into its theoretical coverage, and emphasizes the use of computer-powered computation throughout. Math and science majors with just one year of calculus can use this text and experience a refreshing blend of applications and theory that goes beyond merely mastering the technicalities. The new edition includes a number of features designed to make the material more accessible and level-appropriate to the students taking this course today.

Chemical Process Equipment Design Sep 07 2021 Trends such as shale-gas resource development call for a deeper understanding of chemical engineering equipment and design. Chemical Process Equipment Design complements leading texts by providing concise, focused coverage of these topics, filling a major gap in undergraduate chemical engineering education. Richard Turton and Joseph A. Shaeiwitz present relevant design equations, show how to analyze operation of existing equipment, offer a practical methodology for designing new equipment, and introduce software programs for solving common problems. Theoretical derivations are avoided in favor of working equations, practical computational strategies, and approximately eighty realistic worked examples. The authors identify which equation applies to each situation, and show exactly how to use it to design equipment. By the time undergraduates have worked through this material, they will be able to create preliminary designs for most process equipment found in a typical chemical plant that processes gases and/or liquids. They will also learn how to evaluate the performance of that equipment, even when operating conditions differ from the design case.

Automated Machine Learning May 03 2021 This open access book presents the first comprehensive overview of general methods in Automated Machine Learning (AutoML), collects descriptions of existing systems based on these methods, and discusses the first series of international challenges of AutoML systems. The recent success of commercial ML applications and the rapid growth of the field has created a high demand for off-the-shelf ML methods that can be used easily and without expert knowledge. However, many of the recent machine learning successes crucially rely on human experts, who manually select appropriate ML architectures (deep learning architectures or more traditional ML workflows) and their hyperparameters. To overcome this problem, the field of AutoML targets a progressive automation of machine learning, based on principles from optimization and machine learning itself. This book serves as a point of entry into this quickly-developing field for researchers and advanced students alike, as well as providing a reference for practitioners aiming to use AutoML in their work.

Heat Transfer Apr 14 2022 CD-ROM contains: the limited academic version of Engineering equation solver(EES) with homework problems.

Saunders Manual of Small Animal Practice - E-Book Sep 26 2020 Meticulously organized by body system for optimal readability and ease of reference, the 3rd edition of this best-selling manual provides quick, comprehensive, and practical guidance on evaluating and managing a full range of common medical and surgical conditions encountered in small animal practice. Medical chapters discuss etiology, clinical signs, diagnoses and treatment, while surgical chapters discuss anatomy, preoperative considerations, procedures and postoperative care. It also contains an entire section devoted to avian and exotic pets and a comprehensive drug formulary. A consistent outline format provides easy access to information on etiology, clinical signs, diagnosis, and treatment for each disease or disorder, as well as anatomy, preoperative conditions, techniques, and postoperative care for surgical procedures. Key Points draw attention to helpful tips and key concepts. Includes a comprehensive section covering diagnosis, treatment, and surgery for avian and exotic pets. Features new chapters that cover key topics such as physical therapy and rehabilitation, pain management, vaccination guidelines, and syncope. Includes the latest information on drugs and clinical equipment throughout.

Catalog of Copyright Entries. Third Series Oct 20 2022

A Heat Transfer Textbook Mar 13 2022 Introduction to heat and mass transfer for advanced undergraduate and graduate engineering students, used in classrooms for over 38 years and updated regularly. Topics include conduction, convection, radiation, and phase-change. 2019 edition.

Introduction to Thermodynamics and Heat Transfer Aug 26 2020 This text provides balanced coverage of the basic concepts of thermodynamics and heat transfer. Together with the illustrations, student-friendly writing style, and accessible math, this is an ideal text for an introductory thermal science course for non-mechanical engineering majors.

Handbook of Financial Risk Management Feb 18 2020 Developed over 20 years of teaching academic courses, the Handbook of Financial Risk Management can be divided into two main parts: risk management in the financial sector; and a discussion of the mathematical and statistical tools used in risk management. This comprehensive text offers readers the chance to develop a sound understanding of financial products and the mathematical models that drive them, exploring in detail where the risks are and how to manage them. Key Features: Written by an author with both theoretical and applied experience Ideal resource for students pursuing a master's degree in finance who want to learn risk management Comprehensive coverage of the key topics in financial risk management Contains 114 exercises, with solutions provided online at www.crcpress.com/9781138501874

Extended Surface Heat Transfer Oct 16 2019 A much-needed reference focusing on the theory, design, and applications of a broad range of surface types. * Written by three of the best-known experts in the field. * Covers compact heat exchangers, periodic heat flow, boiling off finned surfaces, and other essential topics.

Fundamentals of Powder Diffraction and Structural Characterization of Materials, Second Edition May 23 2020 A little over 20 years have passed since the first edition of this book appeared in print. Seems like an instant but also eternity, especially considering numerous developments in the hardware and software that have made it from the laboratory test beds into the real world of powder diffraction. This prompted a revision, which had to be beyond cosmetic limits. The book was, and remains focused on standard laboratory powder diffractometry. It is still meant to be used as a text for teaching students about the capabilities and limitations of the powder diffraction method. We also hope that it goes beyond a simple text, and therefore, is useful as a reference to practitioners of the technique. The original book had seven long chapters that may have made its use as a text - convenient. So the second edition is broken down into 25 shorter chapters. The first 17 are concerned with the fundamentals of powder diffraction, which makes it much more logical, considering a typical 16-week long semester. The last ten chapters are concerned with practical examples of structure solution and refinement, which were preserved from the first edition and expanded by another example - R solving the crystal structure of Tylenol .

Process Heat Transfer Feb 12 2022 Process Heat Transfer is a reference on the design and implementation of industrial heat exchangers. It provides the background needed to understand and master the commercial software packages used by professional engineers in the design and analysis of heat exchangers. This book focuses on types of heat exchangers most widely used by industry: shell-and-tube exchangers (including condensers, reboilers and vaporizers), air-cooled heat exchangers and double-pipe (hairpin) exchangers. It provides a substantial introduction to the design of heat exchanger networks using pinch technology, the most efficient strategy used to achieve optimal recovery of heat in industrial processes. Utilizes leading commercial software. Get expert HTRI Xchanger Suite guidance, tips and tricks previously available via high cost professional training sessions. Details the development of initial configuration for a heat exchanger and how to systematically modify it to obtain an efficient final design. Abundant case studies and rules of thumb, along with copious software examples, provide a complete library of reference designs and heuristics for readers to base their own designs on.

Corporate Finance Jul 05 2021 Reach every student by pairing this text with MyLab Finance MyLab (TM) is the teaching and learning platform that empowers you to reach every student. By combining trusted author content with digital tools and a flexible platform, MyLab personalizes the learning experience and improves results for each student.

Lightning Protection Guide Mar 01 2021

Sound Reporting Apr 21 2020 Perhaps you've always wondered how public radio gets that smooth, well-crafted sound. Maybe you're thinking about starting a podcast, and want some tips from the pros. Or maybe storytelling has always been a passion of yours, and you want to learn to do it more effectively. Whatever the case—whether you're an avid NPR listener or you aspire to create your own audio, or both—Sound Reporting: The NPR Guide to Audio Journalism and Production will give you a rare tour of the world of a professional broadcaster. Jonathan Kern, who has trained NPR's on-air staff for years, is a gifted guide, able to narrate a day in the life of a host and lay out the nuts and bolts of production with equal wit and warmth. Along the way, he explains the importance of writing the way you speak, reveals how NPR books guests ranging from world leaders to neighborhood newsmakers, and gives sage advice on everything from proposing stories to editors to maintaining balance and objectivity. Best of all—because NPR wouldn't be NPR without its array of distinctive voices—lively examples from popular shows and colorful anecdotes from favorite personalities animate each chapter. As public radio's audience of millions can attest, NPR's unique guiding principles and technical expertise combine to connect with listeners like no other medium can. With today's technologies allowing more people to turn their home computers into broadcast studios, Sound Reporting couldn't have arrived at a better moment to reveal the secrets behind the story of NPR's success.

Engineering Thermodynamics Solutions Manual Aug 18 2022

Photoshop CS6: The Missing Manual Jun 04 2021 Photoshop CS6 is truly amazing, but it can also be overwhelming if you're just getting started. This book makes learning Photoshop a breeze by explaining things in a friendly, conversational style--without technical jargon. After a thorough introduction to the program, you'll delve deep into Photoshop's secrets with expert tips and practical advice you can use every day. The important stuff you need to know: Learn your way around. Get a guided tour of Photoshop's beautiful new workspace. Unlock the magic. Discover the most practical ways to use layers, channels, masks, paths, and other tools. Fine-tune your images. Learn techniques for cropping, retouching, and combining photos. Play with color. Drain, change, and add color; and create gorgeous black-and-whites and duotones. Be artistic. Create original illustrations and paintings, use text and filters effectively, and edit video clips. Share your work. Produce great-looking images for print and the Web. Work smarter and faster. Automate common chores and install plug-ins for complex tasks.

Kern's Process Heat Transfer Dec 22 2022 This book insures the legacy of the original 1950 classic, Process Heat Transfer, by Donald Q. Kern. This second edition book is divided into three parts: Fundamental Principles; Heat Exchangers; and Other Heat Transfer Equipment/ Considerations. - Part I provides a series of chapters concerned with introductory topics that are required when solving heat transfer problems. This part of the book deals with topics such as steady-state heat conduction, unsteady-state conduction, forced convection, free convection, and radiation. - Part II is considered by the authors to be the "meat" of the book - addressing heat transfer equipment design procedures and applications. In addition to providing a more meaningful treatment of the various types of heat exchangers, this part also examines the impact of entropy calculations on exchanger design. - Part III of the book examines other related topics of interest, including boiling and condensation, refrigeration and cryogenics, boilers, cooling towers and quenchers, batch and unsteady-state processes, health & safety and the accompanying topic of risk. An Appendix is also included. What is new in the 2nd edition Changes that are addressed in the 2nd edition so that Kern's original work continues to remain relevant in 21st century process engineering include: - Updated Heat Exchanger Design - Increased Number of Illustrative Examples - Energy Conservation/ Entropy Considerations - Environmental Considerations - Health & Safety - Risk Assessment - Refrigeration and Cryogenics - Inclusion of SI Units

Process Control Oct 08 2021 Master process control hands on, through practical examples and MATLAB(R) simulations This is the first complete introduction to process control that fully integrates software tools--

enabling professionals and students to master critical techniques hands on, through computer simulations based on the popular MATLAB environment. Process Control: Modeling, Design, and Simulation teaches the field's most important techniques, behaviors, and control problems through practical examples, supplemented by extensive exercises—with detailed derivations, relevant software files, and additional techniques available on a companion Web site. Coverage includes: Fundamentals of process control and instrumentation, including objectives, variables, and block diagrams Methodologies for developing dynamic models of chemical processes Dynamic behavior of linear systems: state space models, transfer function-based models, and more Feedback control; proportional, integral, and derivative (PID) controllers; and closed-loop stability analysis Frequency response analysis techniques for evaluating the robustness of control systems Improving control loop performance: internal model control (IMC), automatic tuning, gain scheduling, and enhancements to improve disturbance rejection Split-range, selective, and override strategies for switching among inputs or outputs Control loop interactions and multivariable controllers An introduction to model predictive control (MPC) Bequette walks step by step through the development of control instrumentation diagrams for an entire chemical process, reviewing common control strategies for individual unit operations, then discussing strategies for integrated systems. The book also includes 16 learning modules demonstrating how to use MATLAB and SIMULINK to solve several key control problems, ranging from robustness analyses to biochemical reactors, biomedical problems to multivariable control.

Kern's Cardiac Catheterization Handbook, 7th Edition - South Asia Edition - E-Book Mar 21 2020 For portable, quick access to information needed at the point of care in today's cath lab, look no farther than Kern's Cardiac Catheterization Handbook, 7th Edition. This detailed, authoritative guide is ideal for cardiologists who need a quick clinical primer on cardiac catheterization, as well as for all members of the cardiac cath team. Highly readable and accessible, it helps you provide optimal patient care with reliable information on the latest diagnostic and treatment advances in this fast-paced field. Provides clear instructions on what to expect, what to avoid, and how to manage complications for every procedure you'll encounter - including coverage of new techniques and technologies that affect virtually all aspects of familiar procedures. Covers all the newest catheterization techniques for vascular closure and expansion of large-bore access procedures, including TAVR, ECMO, mitralclip, and TMVR. Features a new chapter on intracardiac echocardiography and intraprocedural imaging. Discusses key topics such as intra-procedural imaging, management of complications with algorithms that expedite the approach to these patients, adjunctive hemodynamic support, and maintaining quality in the laboratory. Incorporates an increased emphasis on indications and contraindications for procedures in the context of a multidisciplinary heart team approach. Includes numerous clear illustrations to enhance your understanding of the material.

Mass-transfer Operations Nov 09 2021

Electric Machinery and Transformers Jun 23 2020 For this revision of their bestselling junior- and senior-level text, Guru & Hizioglu have incorporated eleven years of cutting-edge developments in the field since *Electric Machinery & Transformers* was first published. Completely re-written, the new Second Edition also incorporates suggestions from students and instructors who have used the First Edition, making it the best text available for junior- and senior-level courses in electric machines. The new edition features a wealth of new and improved problems and examples, designed to complement the authors' overall goal of encouraging intuitive reasoning rather than rote memorization of material. Chapter 3, which presents the conversion of energy, now includes: analysis of magnetically coupled coils, induced emf in a coil rotating in a uniform magnetic field, induced emf in a coil rotating in a time-varying magnetic field, and the concept of the revolving field. All problems and examples have been rigorously tested using Mathcad.

Heat Exchangers Aug 06 2021 This systematic approach focuses on thermohydraulic design, design processes, rating, and operational problems. The text introduces thermal design by describing various types of single-phase and two-phase heat exchangers. Topics include applications in power-producing plants; process and chemical industries; heating, ventilation, air-conditioning and refrigeration systems; and the cooling of electronics. The appendix provides information on the thermophysical properties of fluids, including new refrigerants.

The Digital Transformation of Logistics Jul 17 2022 The digital transformation is in full swing and fundamentally changes how we live, work, and communicate with each other. From retail to finance, many industries see an inflow of new technologies, disruption through innovative platform business models, and employees struggling to cope with the significant shifts occurring. This Fourth Industrial Revolution is predicted to also transform Logistics and Supply Chain Management, with delivery systems becoming automated, smart networks created everywhere, and data being collected and analyzed universally. The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution provides a holistic overview of this vital subject clouded by buzz, hype, and misinformation. The book is divided into three themed-sections: Technologies such as self-driving cars or virtual reality are not only electrifying science fiction lovers anymore, but are also increasingly presented as cure-all remedies to supply chain challenges. In *The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution*, the authors peel back the layers of excitement that have grown around new technologies such as the Internet of Things (IoT), 3D printing, Robotic Process Automation (RPA), Blockchain or Cloud computing, and show use cases that give a glimpse about the fascinating future we can expect. Platforms that allow businesses to centrally acquire and manage their logistics services disrupt an industry that has been relationship-based for centuries. The authors discuss smart contracts, which are one of the most exciting applications of Blockchain, Software as a Service (SaaS) offerings for freight procurement, where numerous data sources can be integrated and decision-making processes automated, and marine terminal operating systems as an integral node for shipments. In *The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution*, insights are shared into the cold chain industry where companies respond to increasing quality demands, and how European governments are innovatively responding to challenges of cross-border eCommerce. People are a vital element of the digital transformation and must be on board to drive change. *The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution* explains how executives can create sustainable impact and how competencies can be managed in the digital age - especially for sales executives who require urgent upskilling to remain relevant. Best practices are shared for organizational culture change, drawing on studies among senior leaders from the US, Singapore, Thailand, and Australia, and for managing strategic alliances with logistics service providers to offset risks and create cross-functional, cross-company transparency. *The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution* provides realistic insights, a ready-to-use knowledge base, and a working vocabulary about current activities and emerging trends of the Logistics industry. Intended readers are supply chain professionals working for manufacturing, trading, and freight forwarding companies as well as students and all interested parties.

Engineering Flow and Heat Exchange Jan 19 2020 The third edition of *Engineering Flow and Heat Exchange* is the most practical textbook available on the design of heat transfer and equipment. This book is an excellent introduction to real-world applications for advanced undergraduates and an indispensable reference for professionals. The book includes comprehensive chapters on the different types and classifications of fluids, how to analyze fluids, and where a particular fluid fits into a broader picture. This book includes various a wide variety of problems and solutions - some whimsical and others directly from industrial applications. Numerous practical examples of heat transfer Different from other introductory books on fluids Clearly written, simple to understand, written for students to absorb material quickly Discusses non-Newtonian as well as Newtonian fluids Covers the entire field concisely Solutions manual with worked examples and solutions provided

Fundamentals of Heat Transfer Oct 28 2020

Mass Transfer Nov 28 2020 This book introduces the fundamental principles of the mass transfer phenomenon and its diverse applications in process industry. It covers the full spectrum of techniques for chemical separations and extraction. Beginning with molecular diffusion in gases, liquids and solids within a single phase, the mechanism of inter-phase mass transfer is explained with the help of several theories. The separation operations are explained comprehensively in two distinct ways—stage-wise contact and continuous differential contact. The primary design requirements of gas-liquid equipment are discussed. The book provides a

detailed discussion on all individual gas-liquid, liquid-liquid, solid-gas, and solid-liquid separation processes. The students are also exposed to the underlying principles of the membrane-based separation processes. The book is replete with real applications of separation processes and equipment. Problems are worked out in each chapter. Besides, problems with answers, short questions, multiple choice questions with answers are given at the end of each chapter. The text is intended for a course on mass transfer, transport and separation processes prescribed for the undergraduate and postgraduate students of chemical engineering.

Chemical Engineering Design Jun 16 2022 Chemical Engineering Design, Second Edition, deals with the application of chemical engineering principles to the design of chemical processes and equipment. Revised throughout, this edition has been specifically developed for the U.S. market. It provides the latest US codes and standards, including API, ASME and ISA design codes and ANSI standards. It contains new discussions of conceptual plant design, flowsheet development, and revamp design; extended coverage of capital cost estimation, process costing, and economics; and new chapters on equipment selection, reactor design, and solids handling processes. A rigorous pedagogy assists learning, with detailed worked examples, end of chapter exercises, plus supporting data, and Excel spreadsheet calculations, plus over 150 Patent References for downloading from the companion website. Extensive instructor resources, including 1170 lecture slides and a fully worked solutions manual are available to adopting instructors. This text is designed for chemical and biochemical engineering students (senior undergraduate year, plus appropriate for capstone design courses where taken, plus graduates) and lecturers/tutors, and professionals in industry (chemical process, biochemical, pharmaceutical, petrochemical sectors). New to this edition: Revised organization into Part I: Process Design, and Part II: Plant Design. The broad themes of Part I are flowsheet development, economic analysis, safety and environmental impact and optimization. Part II contains chapters on equipment design and selection that can be used as supplements to a lecture course or as essential references for students or practicing engineers working on design projects. New discussion of conceptual plant design, flowsheet development and revamp design Significantly increased coverage of capital cost estimation, process costing and economics New chapters on equipment selection, reactor design and solids handling processes New sections on fermentation, adsorption, membrane separations, ion exchange and chromatography Increased coverage of batch processing, food, pharmaceutical and biological processes All equipment chapters in Part II revised and updated with current information Updated throughout for latest US codes and standards, including API, ASME and ISA design codes and ANSI standards Additional worked examples and homework problems The most complete and up to date coverage of equipment selection 108 realistic commercial design projects from diverse industries A rigorous pedagogy assists learning, with detailed worked examples, end of chapter exercises, plus supporting data and Excel spreadsheet calculations plus over 150 Patent References, for downloading from the companion website Extensive instructor resources: 1170 lecture slides plus fully worked solutions manual available to adopting instructors

Principles of Heat Transfer in Porous Media Nov 21 2022 Although the empirical treatment of fluid flow and heat transfer in porous media is over a century old, only in the last three decades has the transport in these heterogeneous systems been addressed in detail. So far, single-phase flows in porous media have been treated or at least formulated satisfactorily, while the subject of two-phase flow and the related heat-transfer in porous media is still in its infancy. This book identifies the principles of transport in porous media and compares the available predictions based on theoretical treatments of various transport mechanisms with the existing experimental results. The theoretical treatment is based on the volume-averaging of the momentum and energy equations with the closure conditions necessary for obtaining solutions. While emphasizing a basic understanding of heat transfer in porous media, this book does not ignore the need for predictive tools; whenever a rigorous theoretical treatment of a phenomena is not available, semi-empirical and empirical treatments are given.

Process Heat Transfer Feb 24 2023 This classic text is an exploration of the practical aspects of thermodynamics and heat transfer. It was designed for daily use and reference for system design and for troubleshooting common engineering problems-an indispensable resource for practicing process engineers.

Introduction to Geotechnical Engineering Jul 25 2020 Written in a concise, easy-to understand manner, INTRODUCTION TO GEOTECHNICAL ENGINEERING, 2e, presents intensive research and observation in the field and lab that have improved the science of foundation design. Now providing both U.S. and SI units, this non-calculus-based text is designed for courses in civil engineering technology programs where soil mechanics and foundation engineering are combined into one course. It is also a useful reference tool for civil engineering practitioners. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The Purchasing Chessboard Dec 30 2020 The approach used on a given spend item should largely depend on the balance between supply power and demand power. That is the logic behind the bestselling Purchasing Chessboard®, used by hundreds of corporations worldwide to reduce costs and increase value with suppliers. The 64 squares in the Purchasing Chessboard provide a rich reservoir of methods that can be applied either individually or combined. And because many of these methods are not customarily used by procurement, the Purchasing Chessboard is also the perfect tool for helping buyers to think and act outside the box and find new solutions. A well-proven concept that works across all industries and all categories in any given situation, it is little wonder that business leaders and procurement professionals alike are excited by, and enjoy strategizing around, the Purchasing Chessboard. This second edition of The Purchasing Chessboard addresses the new realities of a highly volatile economic environment and describes the many—sometimes surprising—ways in which the Purchasing Chessboard is being used in today's business world. Yet despite all of the great achievements of procurement executives and their teams, they do not always receive the recognition they deserve. In response, the authors have developed and outlined within the book an unequivocal approach to measure procurement's impact on a company's performance—Return on Supply Management Assets (ROSMA®).

Basic Heat Transfer Dec 10 2021 The 3rd Edition of Basic Heat Transfer offers complete coverage for introductory engineering courses on heat transfer. Carefully ordered material and extensive examples render this textbook reader-friendly and accessible to engineering students and instructors. Includes over 800 exercises and examples, plus companion software. This book covers all the heat transfer content for undergraduate and first year graduate courses in heat transfer and thermal design. Includes extensive content on heat exchangers, updated methodology for radiative transfer calculations, a compilation of practical correlations for convective heat transfer, exact solutions for conduction problems, and a up-to-date bibliography on heat transfer content. Topics include: elementary and combined modes of heat transfer, one-dimensional and multidimensional conduction, steady state and transient conduction, convection correlations, convection analysis, laminar and turbulent heat transfer, radiative transfer between surfaces in non-participating and participating media, condensation and evaporation process, boiling heat transfer, and the analysis and design of heat exchangers. Balanced approach between scientific and engineering content allows for deeper understanding of thermal transport phenomena. Ideal for engineering students and instructors in Mechanical, Aerospace, Aeronautical, Chemical, Industrial and Process Engineering.

Discovering Advanced Algebra Jan 11 2022 Changes in society and the workplace require a careful analysis of the algebra curriculum that we teach. The curriculum, teaching, and learning of yesterday do not meet the needs of today's students.

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