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Introduction to Business Information Systems - Rolf T. Wigand

2003-05-21

After describing the functions of the PC and the role of computers in local and global networks, the authors explain the fundamentals of data management, as well as the support of firms' functions and processes through information processing. The concepts utilized are deployed in a multitude of modern and integrated application systems in manufacturing and service industries. These application examples make up the core of the book. Many application examples illustrate the methodologies addressed.

The History of the Laser - Mario Bertolotti 2004-10-01

Since the invention of the first working laser in 1960, development of these devices has progressed at an unprecedented rate, to the extent that the laser is now a common part of everyday life, from the semiconductor laser used in CD players and telecommunication systems to the high power eximer lasers used in manufacturing processes. This book tra

Study and Master Accounting Grade 11 Teacher's Guide - Elsabe

Conradie 2006-11-01

Study & Master Accounting was developed with the help of practising

teachers, and covers all the requirements of the National Curriculum Statement for accounting.

Microelectronics - Donald A. Neamen 2006-05-01

This junior level electronics text provides a foundation for analyzing and designing analog and digital electronics throughout the book. Extensive pedagogical features including numerous design examples, problem solving technique sections, Test Your Understanding questions, and chapter checkpoints lend to this classic text. The author, Don Neamen, has many years experience as an Engineering Educator. His experience shines through each chapter of the book, rich with realistic examples and practical rules of thumb. The Third Edition continues to offer the same hallmark features that made the previous editions such a success. Extensive Pedagogy: A short introduction at the beginning of each chapter links the new chapter to the material presented in previous chapters. The objectives of the chapter are then presented in the Preview section and then are listed in bullet form for easy reference. Test Your Understanding Exercise Problems with provided answers have all been updated. Design Applications are included at the end of chapters. A specific electronic design related to that chapter is presented. The various stages in the design of an electronic thermometer are explained

throughout the text. Specific Design Problems and Examples are highlighted throughout as well.

Decision Support Systems - Daniel J. Power 2002

For MIS specialists and nonspecialists alike, a comprehensive, readable, understandable guide to the concepts and applications of decision support systems.

Employment Relations Abstracts - 1968

Dugard's International Law - John Dugard 2019-01-07

This fifth edition of International Law: A South African Perspective is now titled Dugard's International Law: A South African Perspective, in recognition of the fact that this work is a continuation of the earlier editions written by John Dugard. The substance of the work has undergone major changes to take account of new developments both on the international legal scene and in South Africa. Dugard's International Law: A South African Perspective presents a South African perspective of international law. The basic principles of international law are described and examined with reference to the principal sources of international law. This examination, however, takes place within the context of South African law. South African state practice, judicial decisions and legislation on international law receive equal treatment with international law as it is practised and taught abroad. The present work is designed to assist judicial officers and practitioners, educate students, and guide diplomats in the intricacies of international law both at home in South Africa and abroad.

Index to IEEE Publications - Institute of Electrical and Electronics Engineers 1979

Issues for 1973- cover the entire IEEE technical literature.

Mathematical Statistics with Applications in R - Kandethody M. Ramachandran 2014-09-14

Mathematical Statistics with Applications in R, Second Edition, offers a modern calculus-based theoretical introduction to mathematical statistics and applications. The book covers many modern statistical computational and simulation concepts that are not covered in other texts, such as the

Jackknife, bootstrap methods, the EM algorithms, and Markov chain Monte Carlo (MCMC) methods such as the Metropolis algorithm, Metropolis-Hastings algorithm and the Gibbs sampler. By combining the discussion on the theory of statistics with a wealth of real-world applications, the book helps students to approach statistical problem solving in a logical manner. This book provides a step-by-step procedure to solve real problems, making the topic more accessible. It includes goodness of fit methods to identify the probability distribution that characterizes the probabilistic behavior or a given set of data. Exercises as well as practical, real-world chapter projects are included, and each chapter has an optional section on using Minitab, SPSS and SAS commands. The text also boasts a wide array of coverage of ANOVA, nonparametric, MCMC, Bayesian and empirical methods; solutions to selected problems; data sets; and an image bank for students. Advanced undergraduate and graduate students taking a one or two semester mathematical statistics course will find this book extremely useful in their studies. Step-by-step procedure to solve real problems, making the topic more accessible Exercises blend theory and modern applications Practical, real-world chapter projects Provides an optional section in each chapter on using Minitab, SPSS and SAS commands Wide array of coverage of ANOVA, Nonparametric, MCMC, Bayesian and empirical methods

Engineering Science N1 - 2000

Current Index to Journals in Education - 1985

Popular Mechanics - 2000-01

Popular Mechanics inspires, instructs and influences readers to help them master the modern world. Whether it's practical DIY home-improvement tips, gadgets and digital technology, information on the newest cars or the latest breakthroughs in science -- PM is the ultimate guide to our high-tech lifestyle.

Aircraft Metal Work - United States. Bureau of Naval Personnel 1945

Knowledge Graphs - Aidan Hogan 2021-11-08

This book provides a comprehensive and accessible introduction to knowledge graphs, which have recently garnered notable attention from both industry and academia. Knowledge graphs are founded on the principle of applying a graph-based abstraction to data, and are now broadly deployed in scenarios that require integrating and extracting value from multiple, diverse sources of data at large scale. The book defines knowledge graphs and provides a high-level overview of how they are used. It presents and contrasts popular graph models that are commonly used to represent data as graphs, and the languages by which they can be queried before describing how the resulting data graph can be enhanced with notions of schema, identity, and context. The book discusses how ontologies and rules can be used to encode knowledge as well as how inductive techniques—based on statistics, graph analytics, machine learning, etc.—can be used to encode and extract knowledge. It covers techniques for the creation, enrichment, assessment, and refinement of knowledge graphs and surveys recent open and enterprise knowledge graphs and the industries or applications within which they have been most widely adopted. The book closes by discussing the current limitations and future directions along which knowledge graphs are likely to evolve. This book is aimed at students, researchers, and practitioners who wish to learn more about knowledge graphs and how they facilitate extracting value from diverse data at large scale. To make the book accessible for newcomers, running examples and graphical notation are used throughout. Formal definitions and extensive references are also provided for those who opt to delve more deeply into specific topics.

The SAGE Handbook of Management Learning, Education and Development - Steven J Armstrong 2009-05-07

The scholarship of management teaching and learning has established itself as a field in its own right and this benchmark handbook is the first to provide an account of the discipline. Original chapters from leading international academics identify the key issues and map out where the discipline is going. Each chapter provides a comprehensive and critical

overview of the given topic area, highlights current debates and reviews the emerging research agenda. Chapters embrace the study of organizations as a whole, the concepts of individual and collective learning, the delivery of formal management education and the facilitation of management development. Through consideration of these themes the Handbook analyzes, promotes and critiques the contribution of management learning, education and development to management understanding. It will be an invaluable point of reference for all students and researchers interested in broadening their understanding of this exciting and dynamic new field.

Introduction to Applied Linear Algebra - Stephen Boyd 2018-06-07

A groundbreaking introduction to vectors, matrices, and least squares for engineering applications, offering a wealth of practical examples.

Problems and Solutions in Euclidean Geometry - M. N. Aref 2010-01-01

Based on classical principles, this book is intended for a second course in Euclidean geometry and can be used as a refresher. Each chapter covers a different aspect of Euclidean geometry, lists relevant theorems and corollaries, and states and proves many propositions. Includes more than 200 problems, hints, and solutions. 1968 edition.

Alternative Investments: A Primer for Investment Professionals - Donald R. Chambers 2018

Alternative Investments: A Primer for Investment Professionals provides an overview of alternative investments for institutional asset allocators and other overseers of portfolios containing both traditional and alternative assets. It is designed for those with substantial experience regarding traditional investments in stocks and bonds but limited familiarity regarding alternative assets, alternative strategies, and alternative portfolio management. The primer categorizes alternative assets into four groups: hedge funds, real assets, private equity, and structured products/derivatives. Real assets include vacant land, farmland, timber, infrastructure, intellectual property, commodities, and private real estate. For each group, the primer provides essential information about the characteristics, challenges, and purposes of these institutional-quality alternative assets in the context of a well-diversified

institutional portfolio. Other topics addressed by this primer include tail risk, due diligence of the investment process and operations, measurement and management of risks and returns, setting return expectations, and portfolio construction. The primer concludes with a chapter on the case for investing in alternatives.

The Mathematical Theory of Communication - Claude E Shannon 1998-09-01

Scientific knowledge grows at a phenomenal pace--but few books have had as lasting an impact or played as important a role in our modern world as *The Mathematical Theory of Communication*, published originally as a paper on communication theory more than fifty years ago. Republished in book form shortly thereafter, it has since gone through four hardcover and sixteen paperback printings. It is a revolutionary work, astounding in its foresight and contemporaneity. The University of Illinois Press is pleased and honored to issue this commemorative reprinting of a classic.

Physical Sciences, Grade 12 - Karin H. Kelder 2013-07-03

Study & Master Physical Sciences Grade 12 has been especially developed by an experienced author team for the Curriculum and Assessment Policy Statement (CAPS). This new and easy-to-use course helps learners to master essential content and skills in Physical Sciences. *A First Course in Probability* - Sheldon M. Ross 2002

This market-leading introduction to probability features exceptionally clear explanations of the mathematics of probability theory and explores its many diverse applications through numerous interesting and motivational examples. The outstanding problem sets are a hallmark feature of this book. Provides clear, complete explanations to fully explain mathematical concepts. Features subsections on the probabilistic method and the maximum-minimums identity. Includes many new examples relating to DNA matching, utility, finance, and applications of the probabilistic method. Features an intuitive treatment of probability—intuitive explanations follow many examples. The Probability Models Disk included with each copy of the book, contains six probability models that are referenced in the book and allow readers to quickly and

easily perform calculations and simulations.

Daily Language Review Grade 5 - Evan-Moor Educational Publishers 1998-03

This book includes Monday to Friday lessons for each day of a 36-week school year and short daily lessons. The Monday to Thursday lessons include two sentences to edit, including corrections in punctuation, capitalization, spelling, grammar, and vocabulary and three items practicing a variety of language and reading skills. Friday practice cycles through five formats: language usage, identifying and correcting mistakes, combining sentences, choosing reference materials and figurative speech (similes, metaphors). The pages are reproducible and the book includes a skills list and answer keys.

Economic and Management Sciences, Grade 8 - Marietjie Barnard 2013-07-11

Study & master economic and management sciences grade 8 has been especially developed by an experienced author team for the Curriculum and Assessment Policy Statement (CAPS). This new and easy-to-use course helps learners to master essential content and skills in economic and management sciences.

Quantity Surveying N4 Student's Book - Sparrow Consulting (Firm) 2021-02-21

Reinforcement Learning, second edition - Richard S. Sutton 2018-11-13

The significantly expanded and updated new edition of a widely used text on reinforcement learning, one of the most active research areas in artificial intelligence. Reinforcement learning, one of the most active research areas in artificial intelligence, is a computational approach to learning whereby an agent tries to maximize the total amount of reward it receives while interacting with a complex, uncertain environment. In *Reinforcement Learning*, Richard Sutton and Andrew Barto provide a clear and simple account of the field's key ideas and algorithms. This second edition has been significantly expanded and updated, presenting new topics and updating coverage of other topics. Like the first edition, this second edition focuses on core online learning algorithms, with the

more mathematical material set off in shaded boxes. Part I covers as much of reinforcement learning as possible without going beyond the tabular case for which exact solutions can be found. Many algorithms presented in this part are new to the second edition, including UCB, Expected Sarsa, and Double Learning. Part II extends these ideas to function approximation, with new sections on such topics as artificial neural networks and the Fourier basis, and offers expanded treatment of off-policy learning and policy-gradient methods. Part III has new chapters on reinforcement learning's relationships to psychology and neuroscience, as well as an updated case-studies chapter including AlphaGo and AlphaGo Zero, Atari game playing, and IBM Watson's wagering strategy. The final chapter discusses the future societal impacts of reinforcement learning.

Economic and Management Sciences, Grade 9 - Marietjie Barbard
2015-05-29

Accounting, Grade 10 - Elsabé Conradie 2012-01-18

Study & Master Accounting Grade 10 has been especially developed by an experienced author team according to the Curriculum and Assessment Policy Statement (CAPS). The comprehensive Learner's Book includes: * case studies which deal with issues related to the real world, and move learners beyond the confines of the classroom * margin notes to assist learners with new concepts - especially GAAP flashes, that give learners guidance on General Accepted Accounting Practice * examples with solutions after the introduction of each new concept. The Teacher's File includes: * a daily teaching plan, divided into the four terms, that guides the teacher on what to teach per day and per week * moderation templates to assist teachers with assessment * solutions to all the activities in the Learner's Book. The CD-Rom with a PowerPoint presentation includes: * interactive examples to explain new concepts * links to all solutions to activities and assessments in the Learner's Book
Learning Theories - Dale H. Schunk 2013

For Learning Theory/Cognition and Instruction, Advanced Educational Psychology, and Introductory Educational Psychology courses. An

essential resource for understanding the main principles, concepts, and research findings of key learning theories -especially as they relate to education-this proven text blends theory, research, and applications throughout, providing its readers with a coherent and unified perspective on learning in educational settings.

Applied Business Statistics - Trevor Wegner 1993

Applied Business Statistics: Methods and Excel-based applications (second edition) is an introductory Statistics text written specifically for Management students who require an understanding of the role of Statistics in analysing business data in fields such as Marketing, Finance, Human Resources, Production and Logistics. The primary focus of this text is to empower management students with statistical decision making skills so that they become active participants rather than passive observers in business situations where statistical findings are reported and discussed as part of a management decision making process. The text is divided into three major sections: „h exploratory data analysis „h statistical inferences, and „h statistical modelling. Each section focuses on a different role of Statistics as a decision support tool. Emphasis is therefore placed on: „h the data requirements for the various techniques and issues of data quality „h indentifying likely application areas through numerous illustrative examples „h noting the limitations of techniques for decision analysis, and the valid management interpretation of statistical findings. A new feature of this edition of Applied Business Statistics is the use of computer software such as Excel to perform statistical analysis. Exceli's statistical capabilities are illustrated through numerous worked examples found in the text. Students are given the opportunity to familiarize themselves with Exceli's statistical capabilities by applying them to data sets of business problems, which are available on the accompanying CD. Students can monitor their learning with the help of the exercises at the end of every chapter. Each statistical technique is developed through business-related worked examples drawn from the authori's diverse work experiences as a statistical consultant. In this way, a student can readily grasp the basic concept of the technique as well as see how it would be applied in practice. This combination of

method and application should prove helpful to both student and lecturer. With a working knowledge of Excel, students can become managers who are able to design and conduct their own statistical analysis in the workplace. Applied Business Statistics is therefore accessible to all students, as only a basic level of mathematical ability is required to work through this book.

Thirty-three Miniatures - Jiří Matoušek 2010-01-01

Contains a collection of clever mathematical applications of linear algebra, mainly in combinatorics, geometry, and algorithms. Each chapter covers a single main result with motivation and full proof in at most ten pages and can be read independently of all other chapters (with minor exceptions), assuming only a modest background in linear algebra. --from publisher description

Vehicle Dynamics - Reza N. Jazar 2013-11-19

This textbook is appropriate for senior undergraduate and first year graduate students in mechanical and automotive engineering. The contents in this book are presented at a theoretical-practical level. It explains vehicle dynamics concepts in detail, concentrating on their practical use. Related theorems and formal proofs are provided, as are real-life applications. Students, researchers and practicing engineers alike will appreciate the user-friendly presentation of a wealth of topics, most notably steering, handling, ride, and related components. This book also: Illustrates all key concepts with examples Includes exercises for each chapter Covers front, rear, and four wheel steering systems, as well as the advantages and disadvantages of different steering schemes Includes an emphasis on design throughout the text, which provides a practical, hands-on approach

Manual of Engineering Drawing - Colin H. Simmons 2003-10-21

The Manual of Engineering Drawing has long been recognised as the student and practising engineer's guide to producing engineering drawings that comply with ISO and British Standards. The information in this book is equally applicable to any CAD application or manual drawing. The second edition is fully in line with the requirements of the new British Standard BS8888: 2002, and will help engineers, lecturers

and students with the transition to the new standards. BS8888 is fully based on the relevant ISO standards, so this book is also ideal for an international readership. The comprehensive scope of this book encompasses topics including orthographic, isometric and oblique projections, electric and hydraulic diagrams, welding and adhesive symbols, and guidance on tolerancing. Written by a member of the ISO committee and a former college lecturer, the Manual of Engineering Drawing combines up-to-the-minute technical accuracy with clear, readable explanations and numerous diagrams. This approach makes this an ideal student text for vocational courses in engineering drawing and undergraduates studying engineering design / product design. Colin Simmons is a member of the BSI and ISO Draughting Committees and an Engineering Standards Consultant. He was formerly Standards Engineer at Lucas CAV. * Fully in line with the latest ISO Standards * A textbook and reference guide for students and engineers involved in design engineering and product design * Written by a former lecturer and a current member of the relevant standards committees

Probability, Statistics, and Stochastic Processes - Peter Olofsson 2012-05-22

Praise for the First Edition ". . . an excellent textbook . . . well organized and neatly written." —Mathematical Reviews ". . . amazingly interesting . . ." —Technometrics Thoroughly updated to showcase the interrelationships between probability, statistics, and stochastic processes, Probability, Statistics, and Stochastic Processes, Second Edition prepares readers to collect, analyze, and characterize data in their chosen fields. Beginning with three chapters that develop probability theory and introduce the axioms of probability, random variables, and joint distributions, the book goes on to present limit theorems and simulation. The authors combine a rigorous, calculus-based development of theory with an intuitive approach that appeals to readers' sense of reason and logic. Including more than 400 examples that help illustrate concepts and theory, the Second Edition features new material on statistical inference and a wealth of newly added topics, including: Consistency of point estimators Large sample theory Bootstrap

simulation Multiple hypothesis testing Fisher's exact test and Kolmogorov-Smirnov test Martingales, renewal processes, and Brownian motion One-way analysis of variance and the general linear model Extensively class-tested to ensure an accessible presentation, Probability, Statistics, and Stochastic Processes, Second Edition is an excellent book for courses on probability and statistics at the upper-undergraduate level. The book is also an ideal resource for scientists and engineers in the fields of statistics, mathematics, industrial management, and engineering.

Government Reports Announcements - 1971-10

Software-Defined Radio for Engineers - Alexander M. Wyglinski
2018-04-30

Based on the popular Artech House classic, Digital Communication Systems Engineering with Software-Defined Radio, this book provides a practical approach to quickly learning the software-defined radio (SDR) concepts needed for work in the field. This up-to-date volume guides readers on how to quickly prototype wireless designs using SDR for real-world testing and experimentation. This book explores advanced wireless communication techniques such as OFDM, LTE, WLA, and hardware targeting. Readers will gain an understanding of the core concepts behind wireless hardware, such as the radio frequency front-end, analog-to-digital and digital-to-analog converters, as well as various processing technologies. Moreover, this volume includes chapters on timing estimation, matched filtering, frame synchronization message decoding, and source coding. The orthogonal frequency division multiplexing is explained and details about HDL code generation and deployment are provided. The book concludes with coverage of the WLAN toolbox with OFDM beacon reception and the LTE toolbox with downlink reception. Multiple case studies are provided throughout the book. Both MATLAB and Simulink source code are included to assist readers with their projects in the field.

Study and Master Life Sciences Grade 11 CAPS Study Guide -
Gonasagaren S. Pillay 2014-08-21

Advanced Calculus - Lynn Harold Loomis 2014-02-26

An authorised reissue of the long out of print classic textbook, Advanced Calculus by the late Dr Lynn Loomis and Dr Shlomo Sternberg both of Harvard University has been a revered but hard to find textbook for the advanced calculus course for decades. This book is based on an honors course in advanced calculus that the authors gave in the 1960's. The foundational material, presented in the unstarred sections of Chapters 1 through 11, was normally covered, but different applications of this basic material were stressed from year to year, and the book therefore contains more material than was covered in any one year. It can accordingly be used (with omissions) as a text for a year's course in advanced calculus, or as a text for a three-semester introduction to analysis. The prerequisites are a good grounding in the calculus of one variable from a mathematically rigorous point of view, together with some acquaintance with linear algebra. The reader should be familiar with limit and continuity type arguments and have a certain amount of mathematical sophistication. As possible introductory texts, we mention Differential and Integral Calculus by R Courant, Calculus by T Apostol, Calculus by M Spivak, and Pure Mathematics by G Hardy. The reader should also have some experience with partial derivatives. In overall plan the book divides roughly into a first half which develops the calculus (principally the differential calculus) in the setting of normed vector spaces, and a second half which deals with the calculus of differentiable manifolds.

Hacker's Delight - Henry S. Warren 2013

Compiles programming hacks intended to help computer programmers build more efficient software, in an updated edition that covers cyclic redundancy checking and new algorithms and that includes exercises with answers.

Parentology - Dalton Conley 2014-03-18

An award-winning scientist offers his unorthodox approach to childrearing: "Parentology is brilliant, jaw-droppingly funny, and full of wisdom...bound to change your thinking about parenting and its conventions" (Amy Chua, author of Battle Hymn of the Tiger Mother). If

you're like many parents, you might ask family and friends for advice when faced with important choices about how to raise your kids. You might turn to parenting books or simply rely on timeworn religious or cultural traditions. But when Dalton Conley, a dual-doctorate scientist and full-blown nerd, needed childrearing advice, he turned to scientific research to make the big decisions. In *Parentology*, Conley hilariously reports the results of those experiments, from bribing his kids to do math (since studies show conditional cash transfers improved educational and health outcomes for kids) to teaching them impulse control by giving them weird names (because evidence shows kids with unique names learn not to react when their peers tease them) to getting a vasectomy (because fewer kids in a family mean smarter kids). Conley encourages

parents to draw on the latest data to rear children, if only because that level of engagement with kids will produce solid and happy ones. Ultimately these experiments are very loving, and the outcomes are redemptive—even when Conley's sassy kids show him the limits of his profession. *Parentology* teaches you everything you need to know about the latest literature on parenting—with lessons that go down easy. You'll be laughing and learning at the same time.

Generalized Inverses - Adi Ben-Israel 2006-04-18

This second edition accounts for many major developments in generalized inverses while maintaining the informal and leisurely style of the 1974 first edition. Added material includes a chapter on applications, new exercises, and an appendix on the work of E.H. Moore.