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Indian Scientific and Industrial Publications; Exhibition 1966

Algebra and Trigonometry Jay P. Abramson 2015-02-13 "The text is suitable for a typical introductory algebra course, and was developed to be used flexibly. While the breadth of topics may go beyond what an instructor would cover, the modular approach and the richness of content ensures that the book meets the needs of a variety of programs."--Page 1.

Introduction to Engineering Mathematics Vol-III (GBTU) H K Dass This book is primarily written according to the latest syllabus (July 2013) of Mahamaya Technical University, Noida for the third semester students of B.E./B.Tech/B.Arch. The textbook is for the Group B [ME, AE, MT, TT, TE, TC, FT, CE, CH, etc. Branches] of B.Tech III Semester. The Solved Question Paper of Dec. 2012 is included in the body of the text.

Essential Mechanics - Statics and Strength of Materials with MATLAB and Octave P. Venkataraman 2020-01-07 Essential Mechanics - Statics and Strength of Materials with MATLAB and Octave combines two core engineering science courses - "Statics" and "Strength of Materials" - in mechanical, civil, and aerospace engineering. It weaves together various essential topics from Statics and Strength of Materials to allow discussing structural design from the very beginning. The traditional content of these courses are reordered to make it convenient to cover rigid body equilibrium and extend it to deformable body mechanics. The e-book covers the most useful topics from both courses with computational support through MATLAB/Octave. The traditional approach for engineering content is emphasized and is rigorously supported through graphics and analysis. Prior knowledge of MATLAB is not necessary. Instructions for its use in context is provided and explained. It takes advantage of the numerical, symbolic, and graphical capability of MATLAB for effective problem solving. This computational ability provides a natural procedure for What if? exploration that is important for design. The book also emphasizes graphics to understand, learn, and explore design. The idea for this book, the organization, and the flow of content is original and new. The integration of computation, and the marriage of analytical and computational skills is a new valuable experience provided by this e-book. Most importantly the book is very interactive with respect to the code as it appears along with the analysis.

International Books in Print 1992

MATERIALS SCIENCE AND ENGINEERING V. RAGHAVAN 2015-05-01 This well-established and widely adopted book, now in its Sixth Edition, provides a thorough analysis of the subject in an easy-to-read style. It analyzes, systematically and logically, the basic concepts and their applications to enable the students to comprehend the subject with ease. The book begins with a clear exposition of the background topics in chemical equilibrium, kinetics, atomic structure and chemical bonding. Then follows a detailed discussion on the structure of solids, crystal imperfections, phase diagrams, solid-state diffusion and phase transformations. This provides a deep insight into the

structural control necessary for optimizing the various properties of materials. The mechanical properties covered include elastic, anelastic and viscoelastic behaviour, plastic deformation, creep and fracture phenomena. The next four chapters are devoted to a detailed description of electrical conduction, superconductivity, semiconductors, and magnetic and dielectric properties. The final chapter on 'Nanomaterials' is an important addition to the sixth edition. It describes the state-of-art developments in this new field. This eminently readable and student-friendly text not only provides a masterly analysis of all the relevant topics, but also makes them comprehensible to the students through the skillful use of well-drawn diagrams, illustrative tables, worked-out examples, and in many other ways. The book is primarily intended for undergraduate students of all branches of engineering (B.E./B.Tech.) and postgraduate students of Physics, Chemistry and Materials Science. KEY FEATURES • All relevant units and constants listed at the beginning of each chapter • A note on SI units and a full table of conversion factors at the beginning • A new chapter on 'Nanomaterials' describing the state-of-art information • Examples with solutions and problems with answers • About 350 multiple choice questions with answers

Scientific and Technical Books in Print 1972

Optimization in Practice with MATLAB Achille Messac 2015-03-19 This textbook is designed for students and industry practitioners for a first course in optimization integrating MATLAB® software.

Indian Books 1980

Engineering Mathematics John Bird 2017-07-14 Now in its eighth edition, Engineering Mathematics is an established textbook that has helped thousands of students to succeed in their exams. John Bird's approach is based on worked examples and interactive problems. Mathematical theories are explained in a straightforward manner, being supported by practical engineering examples and applications in order to ensure that readers can relate theory to practice. The extensive and thorough topic coverage makes this an ideal text for a range of Level 2 and 3 engineering courses. This title is supported by a companion website with resources for both students and lecturers, including lists of essential formulae and multiple choice tests.

Higher Engineering Mathematics John Bird 2017-04-07 Now in its eighth edition, Higher Engineering Mathematics has helped thousands of students succeed in their exams. Theory is kept to a minimum, with the emphasis firmly placed on problem-solving skills, making this a thoroughly practical introduction to the advanced engineering mathematics that students need to master. The extensive and thorough topic coverage makes this an ideal text for upper-level vocational courses and for undergraduate degree courses. It is also supported by a fully updated companion website with resources for both students and lecturers. It has full solutions to all 2,000 further questions contained in the 277 practice exercises.

Feature Engineering for Machine Learning Alice Zheng 2018-03-23 Feature engineering is a crucial step in the machine-learning pipeline, yet this topic is rarely

examined on its own. With this practical book, you'll learn techniques for extracting and transforming features—the numeric representations of raw data—into formats for machine-learning models. Each chapter guides you through a single data problem, such as how to represent text or image data. Together, these examples illustrate the main principles of feature engineering. Rather than simply teach these principles, authors Alice Zheng and Amanda Casari focus on practical application with exercises throughout the book. The closing chapter brings everything together by tackling a real-world, structured dataset with several feature-engineering techniques. Python packages including numpy, Pandas, Scikit-learn, and Matplotlib are used in code examples. You'll examine: Feature engineering for numeric data: filtering, binning, scaling, log transforms, and power transforms Natural text techniques: bag-of-words, n-grams, and phrase detection Frequency-based filtering and feature scaling for eliminating uninformative features Encoding techniques of categorical variables, including feature hashing and bin-counting Model-based feature engineering with principal component analysis The concept of model stacking, using k-means as a featurization technique Image feature extraction with manual and deep-learning techniques

5G Radio Access Networks Hrishikesh Venkataraman 2017-03-16 C-RAN and virtualized Small Cell technology poses several major research challenges. These include dynamic resource allocation, self-configuration in the baseband pool, high latency in data transfer between radio unit and baseband unit, the cost of data delivery, high volume of data in the network, software networking aspects, potential energy savings, security concerns, privacy of user's personal data at a remote place, limitations of virtualized environment, etc. This book provides deeper insights into the next generation RAN architecture and surveys the coexistence of SDN, C-RAN and Small Cells solutions proposed in the literature at different levels.

Tantric Sculptor Dr.K.M.Gopal Selin George 2017-11-01 This book is a well researched collection of the Indian Contemporary Artist and Art Maestro Dr.K.M.Gopal and his contribution to Indian Art. This volume includes several rare photographs, collected from Museums, Libraries, Artists and other individuals both in India and overseas. K.M.Gopal is a prodigy of Madras School of Arts and Crafts (Now, Government College of Fine Arts, Chennai), under the renowned sculptor Debi Prasad Roy Choudhury MBE (1899–1975). K.M.Gopal's extended research of Gaanaapathiyam (aka Ganapathiyam) has produced numerous forms of Ganapathi, the remover of obstacles. Inspired from the female form of Ganapathi (Ganeshwari), K.M.Gopal has produced the first known "Ardha Ganeshwari" in metal relief, which is a combined form of half male and half female forms of Ganapathi in one figure. In addition, K.M.Gopal has explored the deep interconnection of Yoga and Ganapathi, and discovered how Ganapathi is symbolically abstracting the first symbol of Yoga. His creation of the first 32 forms of Ganapathi and how they are related to the 32 stages of preparing the body towards spirituality in Yoga has got wide attention among the scholars, and researchers. Tirumalai Krishnamacharya and Purushottama Bilimoria are to name a few. The book also discuss about the true history of "Madras Art Movement" and how Artists' Handicrafts Association in Madras was formed, and how few artists in Cholamandal Artists' Village are manipulating the written history of Madras Art Movement, and how they air brushed eminent artists like Kanniappan, S.Dhanapal, Adimoolam and S.P.Jeyakar. This book also provide a glimpse of Kalaimaiyam UK, an art hub founded by K.M.Gopal in 1980s, and its vision of service in the UK.

MATHEMATICAL PHYSICS WITH APPLICATIONS, PROBLEMS AND SOLUTIONS. V. BALAKRISHNAN 2017

Textiles and Their Use in Microbial Protection Jiri Militky 2021-06-09 Textiles and Their Use in Microbial Protection: Focus on COVID-19 and Other Viruses provides readers with vital information about disinfection mechanisms used in textile applications in the fight against dangerous microbes and viruses. KEY FEATURES: Introduces the basics of textile materials used for medical applications Features key information on virology, characterization, indication, and passivation of COVID-19 Describes UV, photocatalysis, photooxidation, application of TiO₂, copper-based viral inhibition, and activated carbon Discusses antiviral finishes for the protection against SARS-CoV-2, particle penetration in dense cotton fabrics under swollen state, and the impact of moisture on face masks and their designs Aimed at textile and materials engineers as well as readers in medical fields, this text offers a comprehensive view of fundamentals and solutions in the use of textiles for microbial protection.

Operations Management Ray R. Venkataraman 2018-11-29 Operations Management: Managing Global Supply Chains takes a holistic, integrated approach to managing operations and supply chains by exploring the strategic, tactical, and operational decisions and challenges facing organizations worldwide. Authors Ray R. Venkataraman and Jeffrey K. Pinto address sustainability in each chapter, showing that sustainable operations and supply chain practices are not only attainable, but are critical and often profitable practices for organizations to undertake. With a focus on critical thinking and problem solving, Operations Management provides students with a comprehensive introduction to the field and equips them with the tools necessary to thrive in today's evolving global business environment. A Complete Teaching & Learning Package SAGE coursepacks FREE! Easily import our quality instructor and student resource content into your school's learning management system (LMS) and save time. Learn more. SAGE edge FREE online resources for students that make learning easier. See how your students benefit.

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.

Discrete Mathematics Oscar Levin 2018-12-31 Note: This is the 3rd edition. If you need the 2nd edition for a course you are taking, it can be found as a "other

format" on amazon, or by searching its isbn: 1534970746
 This gentle introduction to discrete mathematics is written for first and second year math majors, especially those who intend to teach. The text began as a set of lecture notes for the discrete mathematics course at the University of Northern Colorado. This course serves both as an introduction to topics in discrete math and as the "introduction to proof" course for math majors. The course is usually taught with a large amount of student inquiry, and this text is written to help facilitate this. Four main topics are covered: counting, sequences, logic, and graph theory. Along the way proofs are introduced, including proofs by contradiction, proofs by induction, and combinatorial proofs. The book contains over 470 exercises, including 275 with solutions and over 100 with hints. There are also Investigate! activities throughout the text to support active, inquiry based learning. While there are many fine discrete math textbooks available, this text has the following advantages: It is written to be used in an inquiry rich course. It is written to be used in a course for future math teachers. It is open source, with low cost print editions and free electronic editions. This third edition brings improved exposition, a new section on trees, and a bunch of new and improved exercises. For a complete list of changes, and to view the free electronic version of the text, visit the book's website at discrete.openmathbooks.org

Advanced Engineering Mathematics N. Bali 2007 Unlike Many Engineering Mathematics Books, The New Edition Of This Comprehensive Applications-Oriented Book Uses Computer Programs In Almost Every Chapter To Demonstrate The Mathematical Concepts Under Discussion. Designed For Engineering Students As Well As Practicing Engineers And Scientists, The Book Has Hundreds Of Examples With In-Text Solutions. In Terms Of Content, It Covers The Entire Sequence Of Mathematical Topics Needed By The Majority Of University Programs, Including ODE, PDE, Complex Variables, Probability/Statistics, And Numerical Methods. The Authors Demonstrate How The Mathematical Concepts Will Be Used In Practical Applications Such As Fractals, Robotics, Circuits, Membrane Simulation, Collision Detection, Ray Tracing, Signal Processing, And More. A CD-ROM With The Source Code For The In-Text Computer Programs (Written In C) Includes Calculation Routines And Simulations.

Indian Books in Print 2003

The 10th International Conference on Computer Engineering and Networks Qi Liu 2020-10-05 This book contains a collection of the papers accepted by the CENet2020 – the 10th International Conference on Computer Engineering and Networks held on October 16-18, 2020 in Xi'an, China. The topics focus but are not limited to Internet of Things and Smart Systems, Artificial Intelligence and Applications, Communication System Detection, Analysis and Application, and Medical Engineering and Information Systems. Each part can be used as an excellent reference by industry practitioners, university faculties, research fellows and undergraduates as well as graduate students who need to build a knowledge base of the most current advances and state-of-practice in the topics covered by this conference proceedings. This will enable them to produce, maintain, and manage systems with high levels of trustworthiness and complexity.

Engineering Mathematics : Volume Ii A C Srivastava
Fundamentals of Engineering Numerical Analysis Parviz Moin 2010-08-23 Since the original publication of this book, available computer power has increased greatly. Today, scientific computing is playing an ever more prominent role as a tool in scientific discovery and engineering analysis. In this second edition, the key addition is an introduction to the finite element method. This is a widely used technique for solving partial differential equations (PDEs) in complex

domains. This text introduces numerical methods and shows how to develop, analyse, and use them. Complete MATLAB programs for all the worked examples are now available at www.cambridge.org/Moin, and more than 30 exercises have been added. This thorough and practical book is intended as a first course in numerical analysis, primarily for new graduate students in engineering and physical science. Along with mastering the fundamentals of numerical methods, students will learn to write their own computer programs using standard numerical methods.

Books of India

Holistic MATLAB for Science and Engineering Vinayak Venkataraman 2013-03-22 A guide to MATLAB programming based on useful problems from science and engineering
Applied Optimization with MATLAB Programming P.

Venkataraman 2009-03-23 Over the last few decades, optimization techniques have been streamlined by the use of computers and artificial intelligence methods to analyze more variables (especially under non-linear, multivariable conditions) more quickly than ever before. This book covers all classical linear and nonlinear optimization techniques while focusing on the standard mathematical engine, MATLAB. As with the first edition, the author uses MATLAB in examples for running computer-based optimization problems. New coverage in this edition includes design optimization techniques such as Multidisciplinary Optimization, Explicit Solution for Boundary Value Problems, and Particle Swarm Optimization.

The Indian National Bibliography B. S. Kesavan 2006

Cases on Smart Learning Environments Darshan Singh, Abtar 2018-12-28 At a time when ICTs are proliferating various facets of society and human interactivity, optimizing the use of these tools and technologies not only enhances learning but also transforms learning experiences all together, resulting in an increase of effectiveness and quality of education around the globe. As such, teachers are being challenged to implement a wide range of tools, such as mobile learning and augmented reality, to create smarter learning environments inside and outside of the classroom. Cases on Smart Learning Environments explores the potential of SLE tools for enhanced learning outcomes as experienced by educators, learners, and administrators from various learning institutions around the world. This publication presents cases on the real-world implementation of SLEs in 11 countries that span the continents of Asia, Africa, Europe, and North and South America. Featuring coverage on a broad range of topics such as learner engagement, teacher training, and intelligent agent technology, this book is ideally designed for academicians, instructors, instructional designers, librarians, educational stakeholders, and curriculum developers.

Mathematical Education 1990

Introduction to Nanotechnology Charles P. Poole, Jr. 2003-05-30 This self-confessed introduction provides technical administrators and managers with a broad, practical overview of the subject and gives researchers working in different areas an appreciation of developments in nanotechnology outside their own fields of expertise.

A Book of Set Theory Charles C Pinter 2014-07-23 "This accessible approach to set theory for upper-level undergraduates poses rigorous but simple arguments. Each definition is accompanied by commentary that motivates and explains new concepts. A historical introduction is followed by discussions of classes and sets, functions, natural and cardinal numbers, the arithmetic of ordinal numbers, and related topics. 1971 edition with new material by the author"--

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. *Capitalism at the Crossroads* Stuart L. Hart 2010-06-15 Today's era of economic crisis has sent a powerful message: The age of "mercenary" capitalism is ending. We must finally embark on a new age of sustainable, stakeholder-based capitalism. While enlightened executives and policymakers understand the critical need for change, few have tangible plans for making it happen. In *Capitalism at the Crossroads: Next Generation Business Strategies for a Post-Crisis World*, Third Edition, Stuart L. Hart presents new strategies for identifying sustainable products, technologies, and business models that will drive urgently needed growth and help solve social and environmental problems at the same time. Drawing on his experience consulting with top companies and NGOs worldwide, Hart shows how to craft your optimal sustainability strategy and overcome the limitations of traditional "greening" approaches. In this edition, he presents new and updated case studies from the United States and around the world, demonstrating what's working and what isn't. He also guides business leaders in building an organizational "infrastructure for sustainability"--one that can survive budgeting and boardrooms, recharging innovation and growth throughout your enterprise. Discover:

- The new business case for pursuing sustainable capitalism
- Sustainability strategies that go far beyond environmental sensitivity
- How to fully embed your enterprise in the local context--and why you should
- Tactics for making long-term sustainability work in a

short-term world

Engineering Mathematics Vol. Two 4th Ed. S. S. Sastry 2008

Practical Civil Engineering P.K. Jayasree 2021-05-03 The book provides primary information about civil engineering to both a civil and non-civil engineering audience in areas such as construction management, estate management, and building. Basic civil engineering topics like surveying, building materials, construction technology and management, concrete technology, steel structures, soil mechanics and foundations, water resources, transportation and environment engineering are explained in detail. Codal provisions of US, UK and India are included to cater to a global audience. Insights into techniques like modern surveying equipment and technologies, sustainable construction materials, and modern construction materials are also included. Key features:

- Provides a concise presentation of theory and practice for all technical in civil engineering.
- Contains detailed theory with lucid illustrations.
- Focuses on the management aspects of a civil engineer's job.
- Addresses contemporary issues such as permitting, globalization, sustainability, and emerging technologies.
- Includes codal provisions of US, UK and India. The book is aimed at professionals and senior undergraduate students in civil engineering, non-specialist civil engineering audience

Indian National Bibliography B. S. Kesavan 1965

Scientific and Technical Books and Serials in Print 1989

Indian Book Industry 1985

Engineering Mathematics K. Vairamanickham 2005-12-01