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- Science and Technology in Medieval India Abdur Rahman 1982
National Union Catalog 1973
Intuition in Science and Mathematics H. Fischbein 2006-04-11 In writing the present book I have had in mind the following objectives: - To propose a theoretical, comprehensive view of the domain of intuition. - To identify and organize the experimental findings related to intuition scattered in a wide variety of research contexts. - To reveal the educational implications of the idea, developed for science and mathematics education. Most of the existing monographs in the field of intuition are mainly concerned with theoretical debates - definitions, philosophical attitudes, historical considerations. (See, especially the works of Wild (1938), of Bunge (1962) and of Noddings and Shore (1984).) A notable exception is the book by Westcott (1968), which combines theoretical analyses with the author's own experimental studies. But, so far, no attempt has been made to identify systematically those findings, spread throughout the research literature, which could contribute to the deciphering of the mechanisms of intuition. Very often the relevant studies do not refer explicitly to intuition. Even when this term is used it occurs, usually, as a self-evident, common sense term.
- Mapping the Chinese and Islamic Worlds Hyunhee Park 2012-08-27 This book documents the relationship and wisdom of Asian cartographers in the Islamic and Chinese worlds before the Europeans arrived.
- Analytical Geometry 2D and 3D Vittal 2013 Designed to meet the requirements of UG students, the book deals with the theoretical as well as the practical aspects of the subject. Equal emphasis has been given to both 2D as well as 3D geometry. The book follows a systematic approach with adequate examples for better understanding of the concepts.
- 2019 IEEE High Performance Extreme Computing Conference (HPEC) IEEE Staff 2019-09-24 This conference will give researchers from academia, industry, and government working in this important area an opportunity to discuss techniques, approaches, and ongoing developments with relevance to high performance extreme computing processors, systems, storage, networks, software, and applications
- Cohomology of Arithmetic Groups James W. Cogdell 2018-08-18 This book discusses the mathematical interests of Joachim Schurmer, who throughout his career has focused on the cohomology of arithmetic groups, automorphic forms and the geometry of arithmetic manifolds. To mark his 66th birthday, the editors brought together mathematical experts to offer an overview of the current state of research in these and related areas. The result is this book, with contributions ranging from topology to arithmetic. It probes the relation between cohomology of arithmetic groups and automorphic forms and their L-functions, and spans the range from classical Bianchi groups to the theory of Shimura varieties. It is a valuable reference for both experts in the fields and for graduate students and postdocs wanting to discover where the current frontiers lie.
- Massive Graph Analytics David A. Bader 2022-07-22 "Graphs. Such a simple idea. Map a problem onto a graph then solve it by searching over the graph or by exploring the structure of the graph. What could be easier? Turns out, however, that working with graphs is a vast and complex field. Keeping up is challenging. To help keep up, you just need an editor who knows most people working with graphs, and have that editor gather nearly 70 researchers to summarize their work with graphs. The result is the book Massive Graph Analytics." — Timothy G Mattson, Senior Principal Engineer, Intel Corp Expertise in massive-scale graph analytics is key for solving real-world grand challenges from health to sustainability to detecting insider threats, cyber defense, and more. This book provides a comprehensive introduction to massive graph analytics, featuring contributions from thought leaders across academia, industry, and government. Massive Graph Analytics will be beneficial to students, researchers, and practitioners in academia, national laboratories, and industry who wish to learn about the state-of-the-art algorithms, models, frameworks, and software in massive-scale graph analytics.
- A Brief Survey of Muslim Contribution to Science and Culture Mohammad Abdur Rahman Khan 1959
The American Mathematical Monthly 1977
Index of the American Mathematical Monthly Kenneth Ownsworth May 1977
History of Indian Science, Technology, and Culture, A.D. 1000-1800 Abdur Rahman 1999 This volume brings together some of today's leading scholars from a range of different disciplines to explore the development of Indian scientific, technological and cultural thinking between the 10th and 18th centuries. The diverse topics include: food, agriculture, mathematics, astronomy, Bhakti and Sufi movements, and the spread of translation from Persian and Arabic thinkers throughout the country.
- Basic Mathematics for Economists Mike Rosser 2003-12-08 Economics students will welcome the new edition of this excellent textbook. Mathematics is an integral part of economics and understanding basic concepts is vital. Many students come into economics courses without having studied mathematics for a number of years. This clearly written book will help to develop quantitative skills in even the least numerate student up to the required level for a general Economics or Business Studies course. This second edition features new sections on subjects such as: matrix algebra part year investment financial mathematics Improved pedagogical features, such as learning objectives and end of chapter questions, along with the use of Microsoft Excel and the overall example-led style of the book means that it will be a sure fire hit with both students and their lecturers.
- The Dacca University Studies 1975
Statistical Models David A. Freedman 2009-04-27 This lively and engaging book explains the things you have to know in order to read empirical papers in the social and health sciences, as well as the techniques you need to build statistical models of your own. The discussion in the book is organized around published studies, as are many of the exercises. Relevant journal articles are reprinted at the back of the book. Freedman makes a thorough appraisal of the statistical methods in these papers and in a variety of other examples. He illustrates the principles of modelling, and the pitfalls. The discussion shows you how to think about the critical issues - including the connection (or lack of it) between the statistical models and the real phenomena. The book is written for advanced undergraduates and beginning graduate students in statistics, as well as students and professionals in the social and health sciences.
- Catalogue of British Official Publications Not Published by HMSO. 1997
A Course in Linear Algebra with Applications Derek J S Robinson 2006-08-15 This is the second edition of the best-selling introduction to linear algebra. Presupposing no knowledge beyond calculus, it provides a thorough treatment of all the basic concepts, such as vector space, linear transformation and inner product. The concept of a quotient space is introduced and related to solutions of linear system of equations, and a simplified treatment of Jordan normal form is given. Numerous applications of linear algebra are described, including systems of linear recurrence relations, systems of linear differential equations, Markov processes, and the Method of Least Squares. An entirely new chapter on linear programming introduces the reader to the simplex algorithm with emphasis on understanding the theory behind it. The book is addressed to students who wish to learn linear algebra, as well as to professionals who need to use the methods of the subject in their own fields.
- Routledge Revivals: Medieval Islamic Civilization (2006) Josef Meri 2018-01-12 Islamic civilization flourished in the Middle Ages across a vast geographical area that spans today's Middle and Near East. First published in 2006, Medieval Islamic Civilization examines the socio-cultural history of the regions where Islam took hold between the 7th and 16th centuries. This important two-volume work contains over 700 alphabetically arranged entries, contributed and signed by international scholars and experts in fields such as Arabic languages, Arabic literature, architecture, history of science, Islamic arts, Islamic studies, Middle Eastern studies, Near Eastern studies, politics, religion, Semitic studies, theology, and more. Entries also explore the importance of interfaith relations and the permeation of persons, ideas, and objects across geographical and intellectual boundaries between Europe and the Islamic world. This reference work provides an exhaustive and vivid portrait of Islamic civilization and brings together in one authoritative text all aspects of Islamic civilization during the Middle Ages. Accessible to scholars, students and non-specialists, this resource will be of great use in research and

understanding of the roots of today's Islamic society as well as the rich and vivid culture of medieval Islamic civilization.

Essentials of Number Theory Fatema Chowdhury 2005

Latent Variable Modeling Using R A. Alexander Beaujean 2014-05-09 This step-by-step guide is written for R and latent variable model (LVM) novices. Utilizing a path model approach and focusing on the lavaan package, this book is designed to help readers quickly understand LVMs and their analysis in R. The author reviews the reasoning behind the syntax selected and provides examples that demonstrate how to analyze data for a variety of LVMs. Featuring examples applicable to psychology, education, business, and other social and health sciences, minimal text is devoted to theoretical underpinnings. The material is presented without the use of matrix algebra. As a whole the book prepares readers to write about and interpret LVM results they obtain in R. Each chapter features background information, boldfaced key terms defined in the glossary, detailed interpretations of R output, descriptions of how to write the analysis of results for publication, a summary, R based practice exercises (with solutions included in the back of the book), and references and related readings. Margin notes help readers better understand LVMs and write their own R syntax. Examples using data from published work across a variety of disciplines demonstrate how to use R syntax for analyzing and interpreting results. R functions, syntax, and the corresponding results appear in gray boxes to help readers quickly locate this material. A unique index helps readers quickly locate R functions, packages, and datasets. The book and accompanying website at <http://blogs.baylor.edu/rlatentvariable/> provides all of the data for the book's examples and exercises as well as R syntax so readers can replicate the analyses. The book reviews how to enter the data into R, specify the LVMs, and obtain and interpret the estimated parameter values. The book opens with the fundamentals of using R including how to download the program, use functions, and enter and manipulate data. Chapters 2 and 3 introduce and then extend path models to include latent variables. Chapter 4 shows readers how to analyze a latent variable model with data from more than one group, while Chapter 5 shows how to analyze a latent variable model with data from more than one time period. Chapter 6 demonstrates the analysis of dichotomous variables, while Chapter 7 demonstrates how to analyze LVMs with missing data. Chapter 8 focuses on sample size determination using Monte Carlo methods, which can be used with a wide range of statistical models and account for missing data. The final chapter examines hierarchical LVMs, demonstrating both higher-order and bi-factor approaches. The book concludes with three Appendices: a review of common measures of model fit including their formulae and interpretation; syntax for other R latent variable models packages; and solutions for each chapter's exercises. Intended as a supplementary text for graduate and/or advanced undergraduate courses on latent variable modeling, factor analysis, structural equation modeling, item response theory, measurement, or multivariate statistics taught in psychology, education, human development, business, economics, and social and health sciences, this book also appeals to researchers in these fields. Prerequisites include familiarity with basic statistical concepts, but knowledge of R is not assumed.

Medieval Islamic Civilization: A-K. index Josef W. Meri 2006 Publisher description

Mathematical Methods for Physicists George B. Arfken 2012-01-17 Table of Contents Mathematical Preliminaries Determinants and Matrices Vector Analysis Tensors and Differential Forms Vector Spaces Eigenvalue Problems Ordinary Differential Equations Partial Differential Equations Green's Functions Complex Variable Theory Further Topics in Analysis Gamma Function Bessel Functions Legendre Functions Angular Momentum Group Theory More Special Functions Fourier Series Integral Transforms Periodic Systems Integral Equations Mathieu Functions Calculus of Variations Probability and Statistics.

Mathematical Reviews 2006

Geometry Audun Holme 2013-03-14 Mathematics is more important than ever, but phrases like "math avoidance" and "math anxiety" are very much in the public vocabulary. In addition to providing an invitation to mathematics in general, this book emphasizes the dynamic character of geometry and its role as part of the foundation for our cultural heritage. Aimed at an informed public and future teachers of mathematics, it seeks to heal the ills of math phobia in society.

Handbook of Research on Smart Technology Models for Business and Industry Thomas, J. Joshua 2020-06-19 Advances in machine learning techniques and ever-increasing computing power has helped create a new generation of hardware and software technologies with practical applications for nearly every industry. As the progress has, in turn, excited the interest of venture investors, technology firms, and a growing number of clients, implementing intelligent automation in both physical and information systems has become a must in business.

Handbook of Research on Smart Technology Models for Business and Industry is an essential reference source that discusses relevant abstract frameworks and the latest experimental research findings in theory, mathematical models, software applications, and prototypes in the area of smart technologies. Featuring research on topics such as digital security, renewable energy, and intelligence management, this book is ideally designed for machine learning specialists, industrial experts, data scientists, researchers, academicians, students, and business professionals seeking coverage on current smart technology models.

Fundamentals of Number Theory William J. LeVeque 2014-01-05 DIVBasic treatment, incorporating history of abstract algebra and a history of the discipline. Unique factorization and the GCD, quadratic residues, sums of squares, much more. Numerous problems. Bibliography. 1977 edition. /div

Elementary Linear Programming with Applications Bernard Kolman 2014-05-10 Elementary Linear Programming with Applications presents a survey of the basic ideas in linear programming and related areas. It also provides students with some of the tools used in solving difficult problems which will prove useful in their professional career. The text is comprised of six chapters. The Prologue gives a brief survey of operations research and discusses the different steps in solving an operations research problem. Chapter 0 gives a quick review of the necessary linear algebra. Chapter 1 deals with the basic necessary geometric ideas in R^n . Chapter 2 introduces linear programming with examples of the problems to be considered, and presents the simplex method as an algorithm for solving linear programming problems. Chapter 3 covers further topics in linear programming, including duality theory and sensitivity analysis. Chapter 4 presents an introduction to integer programming. Chapter 5 covers a few of the more important topics in network flows. Students of business, engineering, computer science, and mathematics will find the book very useful.

Guide to Discrete Mathematics Gerard O'Regan 2016-09-16 This stimulating textbook presents a broad and accessible guide to the fundamentals of discrete mathematics, highlighting how the techniques may be applied to various exciting areas in computing. The text is designed to motivate and inspire the reader, encouraging further study in this important skill. Features: provides an introduction to the building blocks of discrete mathematics, including sets, relations and functions; describes the basics of number theory, the techniques of induction and recursion, and the applications of mathematical sequences, series, permutations, and combinations; presents the essentials of algebra; explains the fundamentals of automata theory, matrices, graph theory, cryptography, coding theory, language theory, and the concepts of computability and decidability; reviews the history of logic, discussing propositional and predicate logic, as well as advanced topics; examines the field of software engineering, describing formal methods; investigates probability and statistics.

Digital Teaching and Learning in Higher Education Leonid Chechurin 2022-12-03 This book explores the challenges and opportunities faced by universities as they move to digital education. The COVID-19 pandemic as well as students' increasing levels of comfort with digital technology has accelerated the digitalization of learning and teaching, even among teachers who are less confident. The editor and contributors ask how successful digital teaching materials can be developed, what are the unique benefits of this type of teaching and how it can be linked with industry and society so as to better aid the development of student learning. The book maintains that the digital educator should be able to orchestrate diversity in the supply of digital teaching materials and project-based learning to meet the needs of students and prepare them for their future careers. Leonid Chechurin is Professor for Industrial Engineering and Management Unit of School of Engineering Science or Lappeenranta-Lahti University of Technology, FINLAND.

Applications of Tensor Analysis A. J. McConnell 2014-06-10 DIVtensor theory, applications to dynamics, electricity, elasticity, hydrodynamics, etc. Level is advanced undergraduate. Over 500 solved problems. /div

Matrices with Applications Hugh G. Campbell 1968

Medieval Islamic Civilization Josef W. Meri 2005-10-31 Medieval Islamic Civilization examines the socio-cultural history of the regions where Islam took hold between the seventh and sixteenth century. This important two-volume work contains over 700 alphabetically arranged entries, contributed and signed by international scholars and experts in fields such as Arabic languages, Arabic literature, architecture, art history, history, history of science, Islamic arts, Islamic studies, Middle Eastern studies, Near Eastern studies, politics, religion, Semitic studies, theology, and more. This reference provides an exhaustive and vivid portrait of Islamic civilization including the many scientific, artistic, and religious developments as well as all aspects of daily life and culture. For a full list of entries, contributors, and more, visit www.routledge-ny.com/middleages/Islamic.

India's Interaction with China, Central and West Asia Project of History of Indian Science, Philosophy, and Culture 2002 Focus on socio-techno, medicine, and textiles interaction.

Linear Algebra as an Introduction to Abstract Mathematics Isaiah Lankham 2015-11-30 This is an introductory textbook designed for undergraduate mathematics majors with an emphasis on abstraction and in particular, the concept of proofs in the setting of linear algebra. Typically such a student would have taken calculus, though the only prerequisite is suitable mathematical grounding. The purpose of this book is to bridge the gap between the more conceptual and computational oriented undergraduate classes to the more abstract oriented classes. The book begins with systems of linear equations and complex numbers, then relates these to the abstract notion of linear maps on

finite-dimensional vector spaces, and covers diagonalization, eigenspaces, determinants, and the Spectral Theorem. Each chapter concludes with both proof-writing and computational exercises.

Our Underachieving Colleges Derek Bok 2008-01-15 The author sets forth what is known about how much students learn in college, gives recommendations for how to improve undergraduate education, and describes how universities can develop a continuing process of enlightened trial and error that will enable them to improve their performance in the future.

The Dhaka University Studies 1993

The National Union Catalogs, 1963-_____ 1964

Integral Equations and Their Applications Matiur Rahman 2007 The book deals with linear integral equations, that is, equations involving an unknown function which appears under the integral sign and contains topics such as Abel's integral equation, Volterra integral equations, Fredholm integral integral equations, singular and nonlinear integral equations, orthogonal systems of functions, Green's function as a symmetric kernel of the integral equations.

Encyclopedia of Information Science and Technology Mehdi Khosrow-Pour 2009 "This set of books represents a detailed compendium of authoritative, research-based entries that define the contemporary state of knowledge on technology"--Provided by publisher.

LabVIEW for Engineers Ronald W. Larsen 2011 Based on the most current release of LabVIEW, LabVIEW for Engineers is designed for readers with little to no experience using LabVIEW. Part of Prentice Hall's ESource Program: ESource enables instructors to choose individual chapters from published books in the Prentice Hall ESource Series. The content available in this online book-building system covers topics in engineering problem-solving and design, graphics, and computer applications. Using this program, instructors can create a unique text for the introduction to engineering course that exactly matches their content requirements and teaching approach. www.prenhall.com/esource.

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