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Aimms Optimization Modeling - Johannes Bisschop 2006

The AIMMS Optimization Modeling book provides not only an introduction to modeling but also a suite of worked examples. It is aimed at users who are new to modeling and those who have limited modeling experience. Both the basic concepts of optimization modeling and more advanced modeling techniques are discussed. The Optimization Modeling book is AIMMS version independent.

Álgebra Tomo II - H. Ctor Alonso Ak Mi N. 2012-04

Algebra HAKE MATE tomos I y II presentan de forma efectiva el aprendizaje de esta rama fundamental de las matemáticas. En este texto, los temas y el orden en el que se abordan son como si el autor estuviera impartiendo una clase particular al lector.

Complex Analysis - Serge Lang 2013-06-29

The present book is meant as a text for a course on complex analysis at the advanced undergraduate level, or first-year graduate level.

Somewhat more material has been included than can be covered at leisure in one term, to give opportunities for the instructor to exercise his taste, and lead the course in whatever direction strikes his fancy at the time. A large number of routine exercises are included for the more standard portions, and a few harder exercises of striking theoretical interest are also included, but may be omitted in courses addressed to

less advanced students. In some sense, I think the classical German prewar texts were the best (Hurwitz-Courant, Knopp, Bieberbach, etc.) and I would recommend to anyone to look through them. More recent texts have emphasized connections with real analysis, which is important, but at the cost of exhibiting succinctly and clearly what is peculiar about complex analysis: the power series expansion, the uniqueness of analytic continuation, and the calculus of residues. The systematic elementary development of formal and convergent power series was standard fare in the German texts, but only Cartan, in the more recent books, includes this material, which I think is quite essential, e. g. , for differential equations. I have written a short text, exhibiting these features, making it applicable to a wide variety of tastes. The book essentially decomposes into two parts.

Abstract Algebra - I. N. Herstein 1990

Foro interregional de investigación sobre entornos virtuales de aprendizaje - Rubén Edel Navarro 2011

Boletín bibliográfico mexicano - 1970

Linear Algebra and Optimization for Machine Learning - Charu C.

Aggarwal 2020-05-13

This textbook introduces linear algebra and optimization in the context of machine learning. Examples and exercises are provided throughout this text book together with access to a solution's manual. This textbook targets graduate level students and professors in computer science, mathematics and data science. Advanced undergraduate students can also use this textbook. The chapters for this textbook are organized as follows: 1. Linear algebra and its applications: The chapters focus on the basics of linear algebra together with their common applications to singular value decomposition, matrix factorization, similarity matrices (kernel methods), and graph analysis. Numerous machine learning applications have been used as examples, such as spectral clustering, kernel-based classification, and outlier detection. The tight integration of linear algebra methods with examples from machine learning differentiates this book from generic volumes on linear algebra. The focus is clearly on the most relevant aspects of linear algebra for machine learning and to teach readers how to apply these concepts. 2. Optimization and its applications: Much of machine learning is posed as an optimization problem in which we try to maximize the accuracy of regression and classification models. The "parent problem" of optimization-centric machine learning is least-squares regression. Interestingly, this problem arises in both linear algebra and optimization, and is one of the key connecting problems of the two fields. Least-squares regression is also the starting point for support vector machines, logistic regression, and recommender systems. Furthermore, the methods for dimensionality reduction and matrix factorization also require the development of optimization methods. A general view of optimization in computational graphs is discussed together with its applications to back propagation in neural networks. A frequent challenge faced by beginners in machine learning is the extensive background required in linear algebra and optimization. One problem is that the existing linear algebra and optimization courses are not specific to machine learning; therefore, one would typically have to complete more course material than is necessary to pick up machine learning.

Furthermore, certain types of ideas and tricks from optimization and linear algebra recur more frequently in machine learning than other application-centric settings. Therefore, there is significant value in developing a view of linear algebra and optimization that is better suited to the specific perspective of machine learning.

Tensor Algebra and Tensor Analysis for Engineers - Mikhail Itskov
2009-04-30

There is a large gap between engineering courses in tensor algebra on one hand, and the treatment of linear transformations within classical linear algebra on the other. This book addresses primarily engineering students with some initial knowledge of matrix algebra. Thereby, mathematical formalism is applied as far as it is absolutely necessary. Numerous exercises provided in the book are accompanied by solutions enabling autonomous study. The last chapters deal with modern developments in the theory of isotropic and anisotropic tensor functions and their applications to continuum mechanics and might therefore be of high interest for PhD-students and scientists working in this area.

Elementary Linear Algebra - Ron Larson 2016-01-01

ELEMENTARY LINEAR ALGEBRA's clear, careful, and concise presentation of material helps you fully understand how mathematics works. The author balances theory with examples, applications, and geometric intuition for a complete, step-by-step learning system. To engage you in the material, a new design highlights the relevance of the mathematics and makes the book easier to read. Data and applications reflect current statistics and examples, demonstrating the link between theory and practice. The companion website LarsonLinearAlgebra.com offers free access to multiple study tools and resources. CalcChat.com offers free step-by-step solutions to the odd-numbered exercises in the text. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.
[Guia de Carreras Unam 2006-2007](#) - 2006

[Scientific Institutions and Scientists in Latin America](#). México - Unesco.
Science Cooperation Office for Latin America

Libro de Actas 2013 - Memorias del Congreso Virtual Mundial de e-Learning - Claudio Ariel Clarenc

A First Course in Abstract Algebra - John B. Fraleigh 2013-07-23

Considered a classic by many, A First Course in Abstract Algebra is an in-depth introduction to abstract algebra. Focused on groups, rings and fields, this text gives students a firm foundation for more specialized work by emphasizing an understanding of the nature of algebraic structures.

Tic - Innovación - Educación - Daniel Desiderio Borrego Gómez 2018-10-23

En la actualidad, los procesos de enseñanza-aprendizaje se componen cada vez más del trinomio: educación-innovación-TIC, lo que ha implicado grandes retos, pero también extraordinarias oportunidades para las personas que en el proceso intervienen, como los profesores, estudiantes, autoridades institucionales, gobiernos, organismos nacionales e internacionales y demás involucrados. Por lo anterior, esta obra recopila estudios, aportes y reflexiones de investigadores, en su mayoría profesores de instituciones de educación media superior y superior, sobre la incorporación de diferentes tecnologías en los procesos de enseñanza-aprendizaje, desde enfoques innovadores que buscan enriquecer favorablemente los procesos en el ámbito de la educación en las modalidades presenciales y a distancia, haciendo uso de las tecnologías de la información y teniendo presente la calidad educativa. Temáticas como la sociedad de la información, sociedad del conocimiento, herramientas virtuales, el saber ser, motivación de los estudiantes, desarrollo de estrategias de aprendizaje, la neurociencia, cátedra y aprendizaje de la paz, el software educativo, MOOC, herramientas Web 2.0, la modalidad virtual, el m-learning, el trabajo colegiado, la evaluación educativa y algunas experiencias particulares de proyectos en instituciones educativas, pueden ser revisados y estudiados a detalle con la lectura del contenido de esta obra.

Libros en venta en Hispanoamérica y España - 1992

Bibliografía española - 2004

The Maths Book - DK 2019-09-05

Learn about the most important mathematical ideas, theorems, and movements in The Maths Book. Part of the fascinating Big Ideas series, this book tackles tricky topics and themes in a simple and easy to follow format. Learn about Maths in this overview guide to the subject, great for novices looking to find out more and experts wishing to refresh their knowledge alike! The Maths Book brings a fresh and vibrant take on the topic through eye-catching graphics and diagrams to immerse yourself in. This captivating book will broaden your understanding of Maths, with:

- More than 85 ideas and events key to the development of mathematics
- Packed with facts, charts, timelines and graphs to help explain core concepts
- A visual approach to big subjects with striking illustrations and graphics throughout
- Easy to follow text makes topics accessible for people at any level of understanding

The Maths Book is a captivating introduction to the world's most famous theorems, mathematicians and movements, aimed at adults with an interest in the subject and students wanting to gain more of an overview. Charting the development of maths around the world from Babylon to Bletchley Park, this book explains how maths help us understand everything from patterns in nature to artificial intelligence. Your Maths Questions, Simply Explained What is an imaginary number? Can two parallel lines ever meet? How can maths help us predict the future? This engaging overview explores answers to big questions like these and how they contribute to our understanding of maths. If you thought it was difficult to learn about topics like algebra and statistics, The Maths Book presents key information in an easy to follow layout. Learn about the history of maths, from ancient ideas such as magic squares and the abacus to modern cryptography, fractals, and the final proof of Fermat's Last Theorem. The Big Ideas Series With millions of copies sold worldwide, The Maths Book is part of the award-winning Big Ideas series from DK. The series uses striking graphics along with engaging writing, making big topics easy to understand. r to understand.

The Four Lives of Steve Jobs - Daniel Ichbiah 2020-02-09

The Four Lives of Steve Jobs Daniel Ichbiah No. 1 on the best-sellers list in August 2011 (French version). New edition updated in 2016 "So at thirty I was out. And very publicly out. What had been the focus of my entire adult life was gone, and it was devastating... ..I didn't see it then, but it turned out that getting fired from Apple was the best thing that could have ever happened to me." This was Steve Jobs' confession on that morning in June 2005 to students at Stanford University. It summed up the growth that was slowly taking place in him. Chased out of Apple like scum in 1985, Jobs had made a resounding comeback ten years later and gave us devices that left a mark on their time, such as the iPod, iPhone and iPad. The world's most admired CEO, Steve Jobs mostly went against the tide, driven by a vision of genius and an extraordinary strength of conviction. However, he could also get it wrong: he was the one who nearly ruined Apple in 1984 after launching the Macintosh by insisting on poor technical choices! The 4 lives of Steve Jobs depicts Jobs' troubled youth, his rise to glory following the founding of Apple, his disgrace and his vain attempt at revenge followed by a return to the top. It also reveals a thousand unexpected facets of the extraordinary artist who ran Apple. * His quest for enlightenment in India * His initial refusal to recognize the paternity of his daughter Lisa * His relationship with folk singer Joan Baez * The search for his mother, who abandoned him at birth * The attempt to treat his cancer with a vegetarian diet In his own way, Steve Jobs never stopped wanting to change the world, to change life... A best-seller Published by Leduc Editions in April 2011, the French version of The Four Lives of Steve Jobs was a number one best-seller at the end of August, 2011.

Libros españoles, ISBN. - 1982

Group Theory and Chemistry - David M. Bishop 2012-07-12

Concise, self-contained introduction to group theory and its applications to chemical problems. Symmetry, matrices, molecular vibrations, transition metal chemistry, more. Relevant math included. Advanced-undergraduate/graduate-level. 1973 edition.

Movimiento Educativo Abierto: Acceso, colaboración y movilización de recursos educativos abiertos - María Soledad Ramírez Montoya 2012

Pre-Algebra, Student Edition - McGraw-Hill Education 2007-01-02

Glencoe Pre-Algebra is a key program in our vertically aligned high school mathematics series developed to help all students achieve a better understanding of mathematics and improve their mathematics scores on today's high-stakes assessments. Help all students become better problem solvers with our unique approach to interweaving skills, concepts, and word problems in the Get Ready for the Chapter, in Study Guide and Review, and throughout the Exercises. Provide students with more personal assistance in understanding key examples with Personal Tutor a virtual teacher available in every lesson. Use Concepts in Motion animations and labs to visually and dynamically demonstrate mathematical content. References to the Concepts in Motion features in the Student Edition are readily accessible online at glencoe.com, on Interactive Classroom, and on StudentWorks Plus. Prepare students for standardized tests with questions that are aligned in format, content, and design to those found on today's high-stakes assessments. Help students organize their notes and prepare for tests with Glencoe's exclusive Foldables™ study organizers.

The Math Book - DK 2019-09-03

See how math's infinite mysteries and beauty unfold in this captivating educational book! Discover more than 85 of the most important mathematical ideas, theorems, and proofs ever devised with this beautifully illustrated book. Get to know the great minds whose revolutionary discoveries changed our world today. You don't have to be a math genius to follow along with this book! This brilliant book is packed with short, easy-to-grasp explanations, step-by-step diagrams, and witty illustrations that play with our ideas about numbers. What is an imaginary number? Can two parallel lines ever meet? How can math help us predict the future? All will be revealed and explained in this encyclopedia of mathematics. It's as easy as 1-2-3! The Math Book tells the exciting story of how mathematical thought advanced through

history. This diverse and inclusive account will have something for everybody, including the math behind world economies and espionage. This book charts the development of math around the world, from ancient mathematical ideas and inventions like prehistoric tally bones through developments in medieval and Renaissance Europe. Fast forward to today and gain insight into the recent rise of game and group theory. Delve in deeper into the history of math: - Ancient and Classical Periods 6000 BCE - 500 CE - The Middle Ages 500 - 1500 - The Renaissance 1500 - 1680 - The Enlightenment 1680 - 1800 - The 19th Century 1800 - 1900 - Modern Mathematics 1900 - Present The Series Simply Explained With over 7 million copies sold worldwide to date, The Math Book is part of the award-winning Big Ideas Simply Explained series from DK Books. It uses innovative graphics along with engaging writing to make complex subjects easier to understand.

Lista de encabezamientos de materia para bibliotecas - Instituto Colombiano para el Fomento de la Educación Superior 1985

V.1. A-Mat v.2. Mat-Z, encabezamientos en inglés y sus equivalentes en español.

Libros universitarios - Bowker Editores Argentina 1974

Guía-catálogo de la Feria Nacional del Libro - 1968

Linear Algebra for Everyone - Gilbert Strang 2020-11-26

Linear algebra has become the subject to know for people in quantitative disciplines of all kinds. No longer the exclusive domain of mathematicians and engineers, it is now used everywhere there is data and everybody who works with data needs to know more. This new book from Professor Gilbert Strang, author of the acclaimed Introduction to Linear Algebra, now in its fifth edition, makes linear algebra accessible to everybody, not just those with a strong background in mathematics. It takes a more active start, beginning by finding independent columns of small matrices, leading to the key concepts of linear combinations and rank and column space. From there it passes on to the classical topics of solving linear equations, orthogonality, linear transformations and

subspaces, all clearly explained with many examples and exercises. The last major topics are eigenvalues and the important singular value decomposition, illustrated with applications to differential equations and image compression. A final optional chapter explores the ideas behind deep learning.

Introduction to Information Retrieval - Christopher D. Manning 2008-07-07

Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises (with solutions for lecturers) are also available through the book's supporting website to help course instructors prepare their lectures.

Ingeniería y arquitectura - 1957

Memoria - Consejo Superior de Investigaciones Científicas - Consejo Superior de Investigaciones Científicas (Spain). 1952

Curso de álgebra moderna - Peter Hilton 1977

Este libro intenta familiarizar al alumno con el desarrollo y modo de trabajar característicos del Álgebra moderna. No trata de ser exhaustivo, en ningún sentido sino capacitar al estudiante para tratar con familiaridad algunas teorías algebraicas.

Áreas y volúmenes - Efraín Soto Apolinar 2019-05-01

Podríamos afirmar que todos los estudiantes de secundaria conocen la

fórmula para calcular el área del círculo, pero muy pocos realmente saben explicar por qué funciona. En este folleto podrás leer los argumentos que explican las razones por las cuales funcionan las fórmulas para calcular el área polígonos y el volumen de sólidos comunes.

Álgebra Tomo i - H. Ctor Alonso Ak Mi N. 2012-04

Algebra HAKE MATE tomos I y II presentan de forma efectiva el aprendizaje de esta rama fundamental de las matemáticas. En este texto, los temas y el orden en el que se abordan son como si el autor estuviera impartiendo una clase particular al lector.

México - Unesco. Science Cooperation Office for Latin America 1965

Ulysses -

Generatingfunctionology - Herbert S. Wilf 2014-05-10

Generatingfunctionology provides information pertinent to generating functions and some of their uses in discrete mathematics. This book presents the power of the method by giving a number of examples of problems that can be profitably thought about from the point of view of generating functions. Organized into five chapters, this book begins with an overview of the basic concepts of a generating function. This text then discusses the different kinds of series that are widely used as generating functions. Other chapters explain how to make much more precise estimates of the sizes of the coefficients of power series based on the analyticity of the function that is represented by the series. This book discusses as well the applications of the theory of generating functions to counting problems. The final chapter deals with the formal aspects of the theory of generating functions. This book is a valuable resource for mathematicians and students.

Doing Math with Python - Amit Saha 2015-08-01

Doing Math with Python shows you how to use Python to delve into high school-level math topics like statistics, geometry, probability, and calculus. You'll start with simple projects, like a factoring program and a quadratic-equation solver, and then create more complex projects once

you've gotten the hang of things. Along the way, you'll discover new ways to explore math and gain valuable programming skills that you'll use throughout your study of math and computer science. Learn how to:
-Describe your data with statistics, and visualize it with line graphs, bar charts, and scatter plots
-Explore set theory and probability with programs for coin flips, dicing, and other games of chance
-Solve algebra problems using Python's symbolic math functions
-Draw geometric shapes and explore fractals like the Barnsley fern, the Sierpinski triangle, and the Mandelbrot set
-Write programs to find derivatives and integrate functions
Creative coding challenges and applied examples help you see how you can put your new math and coding skills into practice. You'll write an inequality solver, plot gravity's effect on how far a bullet will travel, shuffle a deck of cards, estimate the area of a circle by throwing 100,000 "darts" at a board, explore the relationship between the Fibonacci sequence and the golden ratio, and more. Whether you're interested in math but have yet to dip into programming or you're a teacher looking to bring programming into the classroom, you'll find that Python makes programming easy and practical. Let Python handle the grunt work while you focus on the math. Uses Python 3

Algebra - Thomas W. Hungerford 2012-12-06

Finally a self-contained, one volume, graduate-level algebra text that is readable by the average graduate student and flexible enough to accommodate a wide variety of instructors and course contents. The guiding principle throughout is that the material should be presented as general as possible, consistent with good pedagogy. Therefore it stresses clarity rather than brevity and contains an extraordinarily large number of illustrative exercises.

Álgebra operativa - José Luis Espinoza Casares 2021-01-29

"Si quieres resultados distintos, no hagas siempre lo mismo", dijo en una ocasión Albert Einstein. Ese es el principio rector del presente libro, ya que expone los temas de forma diferente a como lo abordan los demás textos, de manera que puedas adquirir el dominio de la algoritmia algebraica. Como ayuda, se incluye una lista de videos de YouTube de preálgebra, que sirven de introducción para abordar sin dificultad los

temas del libro. Estos temas también se encuentran incluidos en el capítulo 1. La liga para acceder a los videos es: <https://youtu.be/MP8PH5DhMx4> Así mismo, el libro es ideal para estudiantes de tercero de secundaria que desean ingresar al bachillerato o para estudiantes de bachillerato que desean reforzar el conocimiento procedimental del álgebra. Ha sido concebido por su autor como un auxiliar o como un texto básico en sí mismo, enfocado a la algoritmia del álgebra elemental del bachillerato, incluyendo el último año de la enseñanza secundaria. El contenido se presenta mediante el método en

espiral, desarrollado por el investigador Jerome Bruner y con la técnica RULEG de auto estudio. El texto contiene, más de 380 ejercicios resueltos y 750 propuestos, todos con respuesta, permitiendo que el estudiante se autoevalúe constantemente. Aunque el libro se ha estructurado para ser estudiado de manera secuencial, no es necesario empezar de cero, sino que se puede iniciar a partir del tema que se requiera en adelante o para consultar alguno en particular. *Guia De Carreras Unam 2007-2008.* - Universidad Nacional Autónoma de México. Dirección General de Orientación y Servicios Educativos 2006