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analyze data for marketing sales and more handling typical data warehouse performance challenges uncovering initiatives by your business community security business sponsorship project staffing and managing risk frauds in governments are as unique as government entities themselves in this book you will learn about real world government fraud including cyber fraud and your responsibilities when dealing with government analyzing several unique frauds that occurred in the sector this book offers a comprehensive learning approach using examples explanations of audit standards and informative case studies key topics include misappropriation of assets external financial reporting cyber fraud management override and improper use of procurement cards the book provides step by step chapter wise solutions to the 3 most important requirements of the students ncert book exemplar book past 12 years solutions for cbse class 12 the 6th edition of the book is divided into 3 sections section 1 ncert 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advanced provides strategic methods for solving advanced mechanistic problems and applies those techniques to the 300 original problems in the first publication replaces reliance on memorization with the understanding brought by pattern recognition to new problems supplements worked examples with synthesis strategy green metrics analysis and novel research where available to help advanced students and researchers in choosing their next research project whenever a student decides to prepare for any examination her his first and foremost curiosity is about the type of questions that he she has to face we feel great pleasure to present this book before you we have made an attempt to provide chapter wise numerical response questions for jee main as per nta latest pattern with answer and solutions to majority of questions solutions to the questions are not just sketch rather have been written in such a manner that the students will be able to understand the application of concept and can answer some other related questions too we firmly believe that the book in this form will definitely help a genuine hardworking student we have tried our best to keep errors out of this book comment and criticism from readers will be highly appreciated and incorporated in the subsequent edition we wish to utilize the opportunity to place on record our special thanks to all team members of content development for their efforts to make this wonderful book best wishes career point genetic algorithms in java basics is a brief introduction to solving problems using genetic algorithms with working projects and solutions written in the java programming language this brief book will guide you step by step through various implementations of genetic algorithms and some

of their common applications with the aim to give you a practical understanding allowing you to solve your own unique individual problems after reading this book you will be comfortable with the language specific issues and concepts involved with genetic algorithms and you ll have everything you need to start building your own genetic algorithms are frequently used to solve highly complex real world problems and with this book you too can harness their problem solving capabilities understanding how to utilize and implement genetic algorithms is an essential tool in any respected software developers toolkit so step into this intriguing topic and learn how you too can improve your software with genetic algorithms and see real java code at work which you can develop further for your own projects and research guides you through the theory behind genetic algorithms explains how genetic algorithms can be used for software developers trying to solve a range of problems provides a step by step guide to implementing genetic algorithms in java this book contains almost 450 exercises all with complete solutions it provides supplementary examples counter examples and applications for the basic notions usually presented in an introductory course in functional analysis three comprehensive sections cover the broad topic of functional analysis a large number of exercises on the weak topologies is included recognizing fraudulent or deceptive practices is not always easy what common frauds occur in governments and not for profits and how can they be avoided illustrating common frauds that make headlines and damage the reputations of government and not for profit entities this title allows accountants to sharpen their forensic skills and uncover and avoid fraudulent activities it provides an informative case study approach to real world situations this title will show accountants how to do the following determine how interim fraudulent reporting may affect planned reliance on internal controls and any related audit procedures identify how personnel policies and procedures can be circumvented and lead to possible fraud or abuse apply potential ways to follow up on noted indications of fraud abuse and weaknesses in internal control determine how management override of internal controls can lead to possible fraud analyze how bribes and kickbacks may occur identify how donated assets and capital assets in general might be misappropriated 101 advisor solutions a financial advisor s guide to strategies that educate motivate and inspire is a must read for any financial advisor looking for tools techniques strategies and real world solutions to conquering common challenges this book is designed to help you build a better business one solution at a time more than 80 of all data that is collected by organizations is not in a standard relational database instead it is trapped in unstructured documents social media posts machine logs and so on many organizations face significant challenges to manage this deluge of unstructured data such as the following examples pinpointing and activating relevant data for large scale analytics lacking the fine grained visibility that is needed to map data to business priorities removing redundant obsolete and trivial rot data identifying and classifying sensitive data ibm spectrum discover is a modern metadata management software that provides data insight for petabyte scale file and object storage storage on premises and in the cloud this software enables organizations to make better business decisions and gain and maintain a competitive advantage ibm spectrum discover provides a rich metadata layer that enables storage administrators data stewards and data scientists to efficiently manage classify and gain insights from massive amounts of unstructured data it improves storage economics helps mitigate risk and accelerates large scale analytics to create competitive advantage and speed critical research this ibm 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equations and optimal control of evolution equations the optimal control problems considered cover the existence of solutions necessary conditions of optimality and more significantly complementing the existing literature this book will be of great interest to researchers in functional analysis partial differential equations dynamic systems and their optimal control and their applications advancing previous research and providing a foundation for further exploration of the field at present concerning intensive development of computer hardware and software computer based methods for modeling of difficult problems have become the main technique for theoretical and applied investigations many unsolved tasks for evolutionary systems es are an important class of such problems es relate to economic systems on the whole and separate branches and businesses scientific and art centers ecological systems populations separate species of animals and plants human organisms different subsystems of organisms cells of animals and plants and soon available methods for modeling of complex systems have received considerable attention and led to significant results no large scale programs are done without methods of modeling today power programs health programs cosmos investigations economy designs etc are a few examples of such programs nevertheless in connection with the permanent complication of contemporary problems existing means are in need of subsequent renovation and perfection in the monograph along with analysis of contemporary means new classes of mathematical models mm which can be used for modeling in the most difficult cases are proposed and justified the main peculiarities of these mm offer possibilities for the description ofes creation and restoration

processes dynamics of elimination or reservation of obsolete technology in es dynamics of resources distribution for fulfillment of internal and external functions ofes and so on the complexity of the problems allows us to refer to the theory and applications of these mm as the mathematical theory of development for simplicity the title model development and optimization was adopted do you need to be compliant with all the professional standards surrounding engagements performed in accordance with statements on standards for accounting and review services ssarss written by expert authors one of whom participated heavily in the standard setting this title is a practice oriented review of the latest developments related to ssars nos 21 22 and 23 the last two of which were issued in 2016 a go to reference for training staff and managing preparation compilation and review engagements this course includes case studies and lively discussion among the experienced participants making this class informative and practical this book helps identify the professional standards and risk factors relevant to the planning of preparation compilation and review engagements identify responses to preparation compilation and review engagement practice issues that comply with all applicable professional standards in the first part this book analyzes the knowledge discovery process in order to understand the relations between knowledge discovery steps and focusing the part devoted to the development of focusing solutions opens with an analysis of the state of the art then introduces the relevant techniques and finally culminates in implementing a unified approach as a generic sampling algorithm which is then integrated into a commercial data mining system the last part evaluates specific focusing solutions in various application domains the book provides various appendicies enhancing easy accessibility the book presents a comprehensive introduction to focusing in the context of data mining and knowledge discovery it is written for researchers and advanced students as well as for professionals applying data mining and knowledge discovery techniques in practice differential equations with mathematica fifth edition uses the fundamental concepts of the popular platform to solve analytically numerically and or graphically differential equations of interest to students instructors and scientists mathematica s diversity makes it particularly well suited to performing calculations encountered when solving many ordinary and partial differential equations in some cases mathematica s built in functions can immediately solve a differential equation by providing an explicit implicit or numerical solution in other cases mathematica can be used to perform the calculations encountered when solving a differential equation because one goal of elementary differential equations courses is to introduce students to basic methods and algorithms so that they gain proficiency in them nearly every topic covered this book introduces basic commands also including typical examples of their application a study of differential equations relies on concepts from calculus and linear algebra so this text also includes discussions of relevant commands useful in those areas in many cases seeing a solution graphically is most meaningful so the book relies heavily on mathematica s outstanding graphics capabilities demonstrates how to take advantage of the advanced features of mathematica introduces the fundamental theory of ordinary and partial differential equations using mathematica to solve typical problems of interest to students instructors scientists and practitioners in many fields showcases practical applications and case studies drawn from biology physics and engineering based on warner s extensive clinical experience and therapy workshops conducted over more than two decades solution focused interviewing is the first skill development manual based on this innovative tri phase approach to counseling and applied positive psychology this problems and solutions manual is intended as a companion to an earlier textbook modern atomic and nuclear physics revised edition world scientific 2010 this manual presents solutions to many end of chapter problems in the textbook these solutions are valuable to the instructors and students working in the modern atomic field students can master important information and concept in the process of looking at solutions to some problems and become better equipped to solve other problems that the instructors propose this solutions manual has a companion textbook they are available as a paperback set with modern atomic and nuclear physics revised edition sample chapter s chapter 1 theory of relativity 63 kb chapter 2 the configuration of atom rutherford s model 85 kb chapter 12 nuclear interactions and reactions 103 kb a feature of modern advanced computing is the functional approach to programming in this book the authors present an introduction to the mathematics which underline functional programming emphasizing the understanding of definition and specification a prerequisite of good programming and problem solving with a computer the book is self contained requiring a low level of mathematical sophistication and may be used as an introduction to the mathematics of programming provides an introduction to the functional approach to programming emphasizes the problem to be solved not the programming language takes the view that all computer programs are a definition of a function includes exercises for each chapter can be used as a pre programming language introduction to the mathematics of computing this monograph focuses on exploring game theoretic modeling and mechanism design for problem solving in internet and network economics for the first time the main theoretical issues and applications of mechanism design are bound together in a single text the aim of this book is to lead the reader out from the ordinary routine of computing and calculating by engaging in a more dynamic process of learning this learning by doing approach can be traced back to aristotle who wrote in his nicomachean ethics that for the things we have to learn before we can do them we learn by doing them the theory is illustrated through many relevant examples followed by a large number of exercises whose requirements are rendered by action verbs find show verify check and construct readers are compelled to analyze and organize analytical skills rather than placing the exercises in bulk at the end of each chapter sets of practice questions after each theoretical concept are included the reader has the possibility to check their

understanding work on the new topics and gain confidence during the learning activity as the theory unfolds the exercises become more complex sometimes they span over several topics hints have been added in order to guide the reader in the process this book stems from the differential calculus course which the author taught for many years the goal of this book is to immerse the reader in the subtleties of differential calculus through an active perspective particular attention was paid to continuity and differentiability topics presented in a new course of action this book helps addresses the tax consequences of the most common transactions engaged in by limited liability corporations llcs and partnerships you will develop a level of comfort with the basic conceptual framework underlying partnership and llc taxation as well as gain an explanation of the tax consequences associated with issues most frequently confronted by tax practitioners topics covered include basic tax structure of partnerships and llcs electing to be taxed as a partnership check the box rules tax consequences of partnership or llc formation partnership distributions compensatory payments to partners at risk and passive activity limits profit and loss allocations general rules and restrictions and reporting taxable income for partnerships and llcs written by the founders of the new and expanding field of numerical algebraic geometry this is the first book that uses an algebraic geometric approach to the numerical solution of polynomial systems and also the first one to treat numerical methods for finding positive dimensional solution sets the text covers the full theory from methods developed for isolated solutions in the 1980 s to the most recent research on positive dimensional sets this book provides a concise treatment of the theory of nonlinear evolutionary partial differential equations it provides a rigorous analysis of non newtonian fluids and outlines its results for applications in physics biology and mechanical engineering optimal transport methods in economics is the first textbook on the subject written especially for students and researchers in economics optimal transport theory is used widely to solve problems in mathematics and some areas of the sciences but it can also be used to understand a range of problems in applied economics such as the matching between job seekers and jobs the determinants of real estate prices and the formation of matrimonial unions this is the first text to develop clear applications of optimal transport to economic modeling statistics and econometrics it covers the basic results of the theory as well as their relations to linear programming network flow problems convex analysis and computational geometry emphasizing computational methods it also includes programming examples that provide details on implementation applications include discrete choice models models of differential demand and quantile based statistical estimation methods as well as asset pricing models authoritative and accessible optimal transport methods in economics also features numerous exercises throughout that help you develop your mathematical agility deepen your computational skills and strengthen your economic intuition the first introduction to the subject written especially for economists includes programming examples features numerous exercises throughout ideal for students and researchers alike what will work makes a rigorous and compelling case that energy efficiencies and renewable energy and not nuclear fission or clean coal are the most effective cheapest and equitable solutions to the pressing problem of climate change organic chemistry is required coursework for degrees in life food and medical sciences to help the students discouraged by the belief that this topic cannot be mastered without significant memorization arrow pushing in organic chemistry serves as a handy supplement for understanding the subject includes new chapters an expanded index and additional problem sets complete with detailed solutions focuses on understanding the mechanics and logic of organic reaction mechanisms introduces ionic and non ionic reactive species and reaction mechanisms teaches strategies to predict reactive species sites of reactions and reaction products provides a solid foundation upon which organic chemistry students can advance with confidence a unified account of permutations in modern combinatorics a 2006 choice outstanding academic title the first edition of this bestseller was lauded for its detailed yet engaging treatment of permutations providing more than enough material for a one semester course combinatorics of permutations second edition continues to clearly show the usefulness of this subject for both students and researchers and is recommended for undergraduate libraries by the maa expanded chapters much of the book has been significantly revised and extended this edition includes a new section on alternating permutations and new material on multivariate applications of the exponential formula it also discusses several important results in pattern avoidance as well as the concept of asymptotically normal distributions new chapter an entirely new chapter focuses on three sorting algorithms from molecular biology this emerging area of combinatorics is known for its easily stated and extremely difficult problems which sometimes can be solved using deep techniques from seemingly remote branches of mathematics additional exercises and problems all chapters in the second edition have more exercises and problems exercises are marked according to level of difficulty and many of the problems encompass results from the last eight years

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2020-07-08

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2015-11-28

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Genetic Algorithms in Java Basics

1965

genetic algorithms in java basics is a brief introduction to solving problems using genetic algorithms with working projects and solutions written in the java programming language this brief book will guide you step by step through various implementations of genetic algorithms and some of their common applications with the aim to give you a practical understanding allowing you to solve your own unique individual problems after reading this book you will be comfortable with the language specific issues and concepts involved with genetic algorithms and you ll have everything you need to start building your own genetic algorithms are frequently used to solve highly complex real world problems and with this book you too can harness their problem solving capabilities understanding how to utilize and implement genetic algorithms is an essential tool in any respected software developers toolkit so step into this intriguing topic and learn how you too can improve your software with genetic algorithms and see real java code at work which you can develop further for your own projects and research guides you through the theory behind genetic algorithms explains how genetic algorithms can be used for software developers trying to solve a range of problems provides a step by step guide to implementing genetic algorithms in java

Publication

2013-03-14

this book contains almost 450 exercises all with complete solutions it provides supplementary examples counter examples and applications for the basic notions usually presented in an introductory course in functional analysis three comprehensive sections cover the broad topic of functional analysis a large number of exercises on the weak topologies is included

Exercises in Functional Analysis

2018-06-13

recognizing fraudulent or deceptive practices is not always easy what common frauds occur in governments and not for profits and how can they be avoided illustrating common frauds that make headlines and damage the reputations of government and not for profit entities this title allows accountants to sharpen their forensic skills and uncover and avoid fraudulent activities it provides an informative case study approach to real world situations this title will show accountants how to do the following determine how interim fraudulent reporting may affect planned reliance on internal controls and any related audit procedures identify how personnel policies and procedures can be circumvented and lead to possible fraud or abuse apply potential ways to follow up on noted indications of fraud abuse and weaknesses in internal control determine how management override of internal controls can lead to possible fraud analyze how bribes and kickbacks may occur identify how donated assets and capital assets in general might be misappropriated

Frequent Frauds Found in Governments and Not-for-Profits

2011-12

101 advisor solutions a financial advisor s guide to strategies that educate motivate and inspire is a must read for any financial advisor looking for tools techniques strategies and real world solutions to conquering common challenges this book is designed to help you build a better business one solution at a time

101 Advisor Solutions: A Financial Advisor's Guide to Strategies that Educate, Motivate and Inspire!

2020-10-19

more than 80 of all data that is collected by organizations is not in a standard relational database instead it is trapped in unstructured documents social media posts machine logs and so on many organizations face significant challenges to manage this deluge of unstructured data such as the following examples pinpointing and activating relevant data for large scale analytics lacking the fine grained visibility that is needed to map data to business priorities removing redundant obsolete and trivial rot data identifying and classifying sensitive data ibm spectrum discover is a modern metadata management software that provides data insight for petabyte scale file and object storage storage on premises and in the cloud this software enables organizations to make better business decisions and gain and maintain a competitive advantage ibm spectrum discover provides a rich metadata layer that enables storage administrators data stewards and data scientists to efficiently manage classify and gain insights from massive amounts of unstructured data it improves storage economics helps mitigate risk and accelerates large scale analytics to create competitive advantage and speed critical research this ibm redbooks publication presents several use cases that are focused on artificial intelligence ai solutions with ibm spectrum discover this book helps storage administrators and technical specialists plan and implement ai solutions by using ibm spectrum discover and several other ibm storage products

Making Data Smarter with IBM Spectrum Discover: Practical AI Solutions

2023-09-12

this book offers the first comprehensive presentation of measure valued solutions for nonlinear deterministic and stochastic evolution equations on infinite dimensional banach spaces unlike traditional solutions measure valued solutions allow for a much broader class of abstract evolution equations to be addressed providing a broader approach the book presents extensive results on the existence of measure valued solutions for differential equations that have no solutions in the usual sense it covers a range of topics including evolution equations with continuous discontinuous vector fields neutral evolution equations subject to vector measures as impulsive forces stochastic evolution equations and optimal control of evolution equations the optimal control problems considered cover the existence of solutions necessary conditions of optimality and more significantly complementing the existing literature this book will be of great interest to researchers in functional analysis partial differential equations dynamic systems and their optimal control and their applications advancing previous research and providing a foundation for further exploration of the field

Measure-Valued Solutions for Nonlinear Evolution Equations on Banach Spaces and Their Optimal Control

2013-11-09

at present concerning intensive development of computer hardware and software computer based methods for modeling of difficult problems have become the main technique for theoretical and applied investigations many unsolved tasks for evolutionary systems es are an important class of such problems es relate to economic systems on the whole and separate branches and businesses scientific and art centers ecological systems populations separate species of animals and plants human organisms different subsystems of organisms cells of animals and plants and soon available methods for modeling of complex systems have received considerable

attention and led to significant results no large scale programs are done without methods of modeling today power programs health programs cosmos investigations economy designs etc are a few examples of such programs nevertheless in connection with the permanent complication of contemporary problems existing means are in need of subsequent renovation and perfection in the monograph along with analysis of contemporary means new classes of mathematical models mm which can be used for modeling in the most difficult cases are proposed and justified the main peculiarities of these mm offer possibilities for the description ofes creation and restoration processes dynamics of elimination or reservation of obsolete technology in es dynamics of resources distribution for fulfillment of internal and external functions ofes and so on the complexity of the problems allows us to refer to the theory and applications of these mm as the mathematical theory of development for simplicity the title model development and optimization was adopted

Model Development and Optimization

2018-04-17

do you need to be compliant with all the professional standards surrounding engagements performed in accordance with statements on standards for accounting and review services ssarss written by expert authors one of whom participated heavily in the standard setting this title is a practice oriented review of the latest developments related to ssars nos 21 22 and 23 the last two of which were issued in 2016 a go to reference for training staff and managing preparation compilation and review engagements this course includes case studies and lively discussion among the experienced participants making this class informative and practical this book helps identify the professional standards and risk factors relevant to the planning of preparation compilation and review engagements identify responses to preparation compilation and review engagement practice issues that comply with all applicable professional standards

Annual Update and Practice Issues for Preparation, Compilation, and Review Engagements

1910

in the first part this book analyzes the knowledge discovery process in order to understand the relations between knowledge discovery steps and focusing the part devoted to the development of focusing solutions opens with an analysis of the state of the art then introduces the relevant techniques and finally culminates in implementing a unified approach as a generic sampling algorithm which is then integrated into a commercial data mining system the last part evaluates specific focusing solutions in various application domains the book provides various appendicies enhancing easy accessibility the book presents a comprehensive introduction to focusing in the context of data mining and knowledge discovery it is written for researchers and advanced students as well as for professionals applying data mining and knowledge discovery techniques in practice

Bulletin

1999-08-18

differential equations with mathematica fifth edition uses the fundamental concepts of the popular platform to solve analytically numerically and or graphically differential equations of interest to students instructors and scientists mathematica s diversity makes it particularly well suited to performing calculations encountered when solving many ordinary and partial differential equations in some cases mathematica s built in functions can immediately solve a differential equation by providing an explicit implicit or numerical solution in other cases mathematica can be used to perform the calculations encountered when solving a differential equation because one goal of elementary differential equations courses is to introduce students to basic methods and algorithms so that they gain proficiency in them nearly every topic covered this book introduces basic commands also including typical examples of their application a study of differential equations relies on concepts from calculus and linear algebra so this text also includes discussions of relevant commands useful in those areas in many cases seeing a solution graphically is most meaningful so the book relies heavily on mathematica s outstanding graphics capabilities demonstrates how to take advantage of the

advanced features of mathematica introduces the fundamental theory of ordinary and partial differential equations using mathematica to solve typical problems of interest to students instructors scientists and practitioners in many fields showcases practical applications and case studies drawn from biology physics and engineering

Focusing Solutions for Data Mining

2022-01-18

based on warner s extensive clinical experience and therapy workshops conducted over more than two decades solution focused interviewing is the first skill development manual based on this innovative tri phase approach to counseling and applied positive psychology

Differential Equations with Mathematica

2013-01-01

this problems and solutions manual is intended as a companion to an earlier textbook modern atomic and nuclear physics revised edition world scientific 2010 this manual presents solutions to many end of chapter problems in the textbook these solutions are valuable to the instructors and students working in the modern atomic field students can master important information and concept in the process of looking at solutions to some problems and become better equipped to solve other problems that the instructors propose this solutions manual has a companion textbook they are available as a paperback set with modern atomic and nuclear physics revised edition sample chapter s chapter 1 theory of relativity 63 kb chapter 2 the configuration of atom rutherford s model 85 kb chapter 12 nuclear interactions and reactions 103 kb

Solution-Focused Interviewing

2010-06-01

a feature of modern advanced computing is the functional approach to programming in this book the authors present an introduction to the mathematics which underline functional programming emphasizing the understanding of definition and specification a prerequisite of good programming and problem solving with a computer the book is self contained requiring a low level of mathematical sophistication and may be used as an introduction to the mathematics of programming provides an introduction to the functional approach to programming emphasizes the problem to be solved not the programming language takes the view that all computer programs are a definition of a function includes exercises for each chapter can be used as a pre programming language introduction to the mathematics of computing

Modern Atomic and Nuclear Physics

2012-12-02

this monograph focuses on exploring game theoretic modeling and mechanism design for problem solving in internet and network economics for the first time the main theoretical issues and applications of mechanism design are bound together in a single text

An Introduction to Programming with Specifications

2009-04-03

the aim of this book is to lead the reader out from the ordinary routine of computing and calculating by engaging in a more dynamic process of learning this learning by doing approach can be traced back to aristotle who wrote in his nicomachean ethics that for the things we have to learn before we can do them we learn by doing them the theory is illustrated through many relevant examples followed by a large number of exercises whose requirements are rendered by action verbs find show verify check and construct readers are compelled to analyze and organize analytical skills rather than placing the exercises in bulk at the end of each chapter sets of practice questions after each theoretical concept are included the reader has the possibility to check their understanding work on the new topics and gain confidence during the learning activity as the theory unfolds the exercises become more complex sometimes they span over several topics hints have been added in order to guide the reader in the process this book stems from the differential calculus course which the author taught for many years the goal of this book is to immerse the reader in the subtleties of differential calculus through an active perspective particular attention was paid to continuity and differentiability topics presented in a new course of action

Game Theoretic Problems in Network Economics and Mechanism Design Solutions

2024-02-06

this book helps addresses the tax consequences of the most common transactions engaged in by limited liability corporations llcs and partnerships you will develop a level of comfort with the basic conceptual framework underlying partnership and llc taxation as well as gain an explanation of the tax consequences associated with issues most frequently confronted by tax practitioners topics covered include basic tax structure of partnerships and llcs electing to be taxed as a partnership check the box rules tax consequences of partnership or llc formation partnership distributions compensatory payments to partners at risk and passive activity limits profit and loss allocations general rules and restrictions and reporting taxable income for partnerships and llcs

Differential Calculus in Several Variables

2020-06-16

written by the founders of the new and expanding field of numerical algebraic geometry this is the first book that uses an algebraic geometric approach to the numerical solution of polynomial systems and also the first one to treat numerical methods for finding positive dimensional solution sets the text covers the full theory from methods developed for isolated solutions in the 1980 s to the most recent research on positive dimensional sets

Taxation Essentials of LLCs and Partnerships

2005-03-21

this book provides a concise treatment of the theory of nonlinear evolutionary partial differential equations it provides a rigorous analysis of non newtonian fluids and outlines its results for applications in physics biology and mechanical engineering

The Numerical Solution Of Systems Of Polynomials Arising In Engineering And Science

1996-05-01

optimal transport methods in economics is the first textbook on the subject written especially for students and researchers in economics optimal transport theory is used widely to solve problems in mathematics and some areas of the sciences but it can also be used to understand a range of problems in applied economics such as the matching between job seekers and jobs the determinants of real estate prices and the formation of matrimonial unions this is the first text to develop clear applications of optimal transport to economic modeling statistics and econometrics it covers the basic results of the theory as well as their relations to linear programming network flow problems convex analysis and computational geometry emphasizing computational methods it also includes programming examples that provide details on implementation applications include discrete choice models models of differential demand and quantile based statistical estimation methods as well as asset pricing models authoritative and accessible optimal transport methods in economics also features numerous exercises throughout that help you develop your mathematical agility deepen your computational skills and strengthen your economic intuition the first introduction to the subject written especially for economists includes programming examples features numerous exercises throughout ideal for students and researchers alike

Weak and Measure-Valued Solutions to Evolutionary PDEs

2018-08-14

what will work makes a rigorous and compelling case that energy efficiencies and renewable energy and not nuclear fission or clean coal are the most effective cheapest and equitable solutions to the pressing problem of climate change

Optimal Transport Methods in Economics

2011-06-01

organic chemistry is required coursework for degrees in life food and medical sciences to help the students discouraged by the belief that this topic cannot be mastered without significant memorization arrow pushing in organic chemistry serves as a handy supplement for understanding the subject includes new chapters an expanded index and additional problem sets complete with detailed solutions focuses on understanding the mechanics and logic of organic reaction mechanisms introduces ionic and non ionic reactive species and reaction mechanisms teaches strategies to predict reactive species sites of reactions and reaction products provides a solid foundation upon which organic chemistry students can advance with confidence

What Will Work

2017-03-06

a unified account of permutations in modern combinatorics a 2006 choice outstanding academic title the first edition of this bestseller was lauded for its detailed yet engaging treatment of permutations providing more than enough material for a one semester course combinatorics of permutations second edition continues to clearly show the usefulness of this subject for both students and researchers and is recommended for undergraduate libraries by the maa expanded chapters much of the book has been significantly revised and extended this edition includes a new section on alternating permutations and new material on multivariate applications of the exponential formula it also discusses several important results in pattern avoidance as well as the concept of asymptotically normal distributions new chapter an entirely new chapter focuses on three sorting algorithms from molecular biology this emerging area of combinatorics is known for its easily stated

and extremely difficult problems which sometimes can be solved using deep techniques from seemingly remote branches of mathematics additional exercises and problems all chapters in the second edition have more exercises and problems exercises are marked according to level of difficulty and many of the problems encompass results from the last eight years

Arrow-Pushing in Organic Chemistry

2012-06-11

Combinatorics of Permutations, Second Edition

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