

Epub free Correction livre de maths seconde didier (2023)

Math'x, seconde Mathematics and Computer Science Modern Mathematics Second Handbook of Research on Mathematics Teaching and Learning Math Max - Seconde - Cours complet, exercices et devoirs corrigés - Nouveaux programmes Almanach royal et national Boolean Models and Methods in Mathematics, Computer Science, and Engineering History in Mathematics Education Mathematics of the Financial Markets Activity-oriented Mathematics Mathematics and Computer Science III The Mathematics Education for the Future Project. Proceedings of the 13th International Conference Mathematics Education in a Connected World Investment Mathematics The Richness of the History of Mathematics 3D Math Primer for Graphics and Game Development, 2nd Edition Princeton Companion to Applied Mathematics Second World Conference on Mathematics at the Service of Man Africa and Mathematics The Teaching of Geometry at the Pre-College Level Mathematics and Its Teaching in the Southern Americas Advances In The History Of Mathematics Education Fuzzy Logic and Mathematics Comprehensive Mathematics for Computer Scientists 1 The Oxford Handbook of the History of Mathematics Mathematics and Its History Mathematics as a Laboratory Tool Mathematics and Computer Science II International Reflections on the Netherlands Didactics of Mathematics 3D Math Primer for Graphics and Game Development Emerging Curriculum Lyapunov Inequalities and Applications Rods, Sets and Arrows Biology of Sharks and Their Relatives, Second Edition The Second Empire as Exhibited in French Literature 1852 - 1863 CDS 14 Years Mathematics, English & General Knowledge Topic-wise Solved Papers (2007 - 2020) - 4th Edition CDS 12 Years Topic-wise Solved Papers Mathematics, English & General Knowledge (2007-2018) - 3rd Edition Mathematical Reviews Fluids Under Control The Spectrum of Hyperbolic Surfaces Coherent States and Applications in Mathematical Physics

Math'x, seconde

2005

this is the first book where mathematics and computer science are directly confronted and joined to tackle intricate problems in computer science with deep mathematical approaches it contains a collection of refereed papers presented at the colloquium on mathematics and computer science held at the university of versailles st Quentin on september 18 20 2000 the colloquium was a meeting place for researchers in mathematics and computer science and thus an important opportunity to exchange ideas and points of view and to present new approaches and new results in the common areas such as algorithms analysis trees combinatorics optimization performance evaluation and probabilities the book is intended for a large public in applied mathematics discrete mathematics and computer science including researchers teachers graduate students and engineers it provides an overview of the current questions in computer science and related modern mathematical methods the range of applications is very wide and reaches beyond computer science

Mathematics and Computer Science

2012-12-06

the international new math developments between about 1950 through 1980 are regarded by many mathematics educators and education historians as the most historically important development in curricula of the twentieth century it attracted the attention of local and international politicians of teachers and of parents and influenced the teaching and learning of mathematics at all levels kindergarten to college graduate in many nations after garnering much initial support it began to attract criticism but as bill jacob and the late jerry becker show in chapter 17 some of the effects became entrenched this volume edited by professor dirk de bock of belgium provides an outstanding overview of the new math modern mathematics movement chapter authors provide exceptionally high quality analyses of the rise of the movement and of subsequent developments within a range of nations the first few chapters show how the initial leadership came from mathematicians in european nations and in the united states of america the background leaders in europe were caleb gattegno and members of a mysterious group of mainly french pure mathematicians who since the 1930s had published under the name of a fictitious nicolas bourbaki in the united states there emerged during the 1950s various attempts to improve u s mathematics curricula and teaching especially in secondary schools and colleges this side of the story climaxed in 1957 when the soviet union succeeded in launching sputnik the first satellite undoubtedly this is a landmark publication in education the foreword was written by professor bob moon one of a few other scholars to have written on the new math from an international perspective the final epilogue chapter by professor geert vanpaemel a historian draws together the overall thrust of the volume and makes links with the general history of curriculum development especially in science education including recent globalization trends

Modern Mathematics

2023-03-08

the audience remains much the same as for the 1992 handbook namely mathematics education researchers and other scholars conducting work in mathematics education this group includes college and university faculty graduate students investigators in research and development centers and staff members at federal state and local agencies that conduct and use research within the discipline of mathematics the intent of the authors of this volume is to provide useful perspectives as well as pertinent information for conducting investigations that are informed by previous work the handbook should also be a useful textbook for graduate research seminars in addition to the audience mentioned above the present handbook contains chapters that should be relevant to four other groups teacher educators curriculum developers state and national policy makers and test developers and others involved with assessment taken as a whole the chapters reflects the mathematics education research community's willingness to accept the challenge of helping the public understand what mathematics education research is all about and what the relevance of their research findings might be for those outside their immediate community

Second Handbook of Research on Mathematics Teaching and Learning

2007-02-01

cette seconde édition conforme aux nouveaux programmes contient un cours complet avec des exemples des remarques et des conseils des centaines d'exercices et devoirs tous corrigés en détail de difficulté croissante couvrant tout le programme et même plus des cahiers transversaux de logique et d'algorithmique des activités d'approche de révision et de synthèse des extras pour anticiper sur les années à venir des exercices en anglais pour enrichir la langue des corrections rédigées comme l'exigent les enseignants une approche testée et validée auprès des élèves tout ce qui est nécessaire pour asseoir ses bases réussir son année et bien préparer la suivante mais math max c'est aussi des données historiques des conseils de lectures des touches culturelles des exercices décalés des énoncés fantasques des contextes farfelus des jeux de mots presque amusants

Math Max - Seconde - Cours complet, exercices et devoirs corrigés - Nouveaux programmes

2021-01-05

a collection of papers written by prominent experts that examine a variety of advanced topics related to boolean functions and expressions

Almanach royal et national

1844

this ground breaking book investigates how the learning and teaching of mathematics can be improved through integrating the history of mathematics into all aspects of mathematics education lessons homework texts lectures projects assessment and curricula it draws upon evidence from the experience of teachers as well as national curricula textbooks teacher education practices and research perspectives across the world it includes a 300 item annotated bibliography of recent work in the field in eight languages

Boolean Models and Methods in Mathematics, Computer Science, and Engineering

2010-06-28

mathematics of the financial markets financial instruments and derivatives modeling valuation and risk issues alain ruttiens has the ability to turn extremely complex concepts and theories into very easy to understand notions i wish i had read his book when i started my career marco dion global head of equity quant strategy j p morgan the financial industry is built on a vast collection of financial securities that can be valued and risk profiled using a set of miscellaneous mathematical models the comprehension of these models is fundamental to the modern portfolio and risk manager in order to achieve a deep understanding of the capabilities and limitations of these methods in the approximation of the market in his book alain ruttiens exposes these models for a wide range of financial instruments by using a detailed and user friendly approach backed up with real life data examples the result is an excellent entry level and reference book that will help any student and current practitioner up their mathematical modeling skills in the increasingly demanding domain of asset and risk management virgile rostand consultant toronto on alain ruttiens not only presents the reader with a synthesis between mathematics and practical market dealing but more importantly a synthesis of his thinking and of his life rené chopard ceo centro di studi bancari lugano vezia professor università dell'Insubria varese alain ruttiens has written a book on quantitative finance that covers a wide range of financial instruments examples and models starting from first principles the book should be accessible to anyone who is comfortable with trading strategies numbers and formulas dr yuh dauh lyuu professor of finance professor of computer science information engineering national taiwan university

History in Mathematics Education

2006-04-11

mathematics and computer science iii contains invited and contributed papers on combinatorics random graphs and networks algorithms analysis and trees branching processes constituting the proceedings of the third international colloquium on mathematics and computer science held in vienna in september 2004 it addresses a large public in applied mathematics discrete mathematics and computer science including researchers teachers graduate students and engineers

Mathematics of the Financial Markets

2013-08-05

this volume contains the papers presented at the international conference on mathematics education in a connected world held from september 16 21 2015 in catania italy the conference was organized by the mathematics education for the future project an international educational project founded in 1986

Activity-oriented Mathematics

1976

investment mathematics provides an introductory analysis of investments from a quantitative viewpoint drawing together many of the tools and techniques required by investment professionals using these techniques the authors provide simple analyses of a number of securities including fixed interest bonds equities index linked bonds foreign currency and derivatives the book concludes with coverage of other applications including modern portfolio theory portfolio performance measurement and stochastic investment models

Mathematics and Computer Science III

2012-12-06

this book a tribute to historian of mathematics jeremy gray offers an overview of the history of mathematics and its inseparable connection to philosophy and other disciplines many different approaches to the study of the history of mathematics have been developed understanding this diversity is central to learning about these fields but very few books deal with their richness and concrete suggestions for the what why and how of these domains of inquiry the editors and authors approach the basic question of what the history of mathematics is by means of concrete examples for the how question basic methodological issues are addressed from the different perspectives of mathematicians and historians containing essays by leading scholars this book provides a multitude of perspectives on mathematics its role in culture and development and connections with other sciences making it an important resource for students and academics in the history and philosophy of mathematics

The Mathematics Education for the Future Project. Proceedings of the 13th International Conference Mathematics Education in a Connected World

2015-07-01

this engaging book presents the essential mathematics needed to describe simulate and render a 3d world reflecting both academic and in the trenches practical experience the authors teach you how to describe objects and their positions orientations and trajectories in 3d using mathematics the text provides an introduction to mathematics for game designers including the fundamentals of coordinate spaces vectors and matrices it also covers orientation in three dimensions calculus and dynamics graphics and parametric curves

Investment Mathematics

2003-07-01

the must have compendium on applied mathematics this is the most authoritative and accessible single volume reference book on applied mathematics featuring numerous entries by leading experts and organized thematically it introduces readers to applied mathematics and its uses explains key concepts describes important equations laws and functions looks at exciting areas of research covers modeling and simulation explores areas of application and more modeled on the popular princeton companion to mathematics this volume is an indispensable resource for undergraduate and graduate students researchers and practitioners in other disciplines seeking a user friendly reference book on applied mathematics features nearly 200 entries organized thematically and written by an international team of distinguished contributors presents the major ideas and branches of applied mathematics in a clear and accessible way explains important mathematical concepts methods equations and applications introduces the language of applied mathematics and the goals of applied mathematical research gives a wide range of examples of mathematical modeling covers continuum mechanics dynamical systems numerical analysis discrete and combinatorial mathematics mathematical physics and much more explores the connections between applied mathematics and other disciplines includes suggestions for further reading cross references and a comprehensive index

The Richness of the History of Mathematics

2023-11-27

this volume on ethnomathematics in central africa fills a gap in the current literature focusing on a region rarely explored by other publications it highlights the discovery of the ishango rod which was found to be the oldest mathematical tool in humanity s history thereby shifting the origin of mathematics to the heart of africa and explores the different scientific hypotheses that emerged as a result while it contains some high level mathematics the non mathematical reader can easily skip these portions and enjoy the book s survey of african history culture and art

3D Math Primer for Graphics and Game Development, 2nd Edition

2011-11-02

this anthology presents a comprehensive review of mathematics and its teaching in the following nations in south america central america and the caribbean argentina bolivia brazil chile colombia costa rica cuba guyana haiti honduras méxico panamá paraguay Perú puerto rico trinidad and tobago and venezuela the last summary of mathematics education encompassing countries from the southern americas appeared in 1966 progress in the field during five decades has remained unexamined until now contents argentina a review of mathematics education through mathematical problems at the secondary level betina duarte bolivia an approach to mathematics education in the plurinational state a pari brazil history and trends in mathematics education beatriz s d ambrosio juliana martins and viviane de oliveira santos chile the context and pedagogy of mathematics teaching and learning eliana d rojas and fidel oteiza colombia the role of mathematics in the making of a nation hernando j echeverri and angela m restrepo costa rica history and perspectives on mathematics and mathematics education Ángel ruiz cuba mathematics and its teaching otilio b mederos anoceto miguel a jiménez pozo and José m sigarreta guyana the mathematical growth of an emerging nation mahendra singh and lenox allcock haiti history of mathematics education jean w richard honduras origins development and challenges in the teaching of mathematics marvin roberto mendoza valencia México the history and development of a nation and its influence on the development of mathematics and mathematics education eduardo mancera and alicia Ávila panamá towards the first world through mathematics euclides samaniego nicolás a samaniego and benigna fernández paraguay a review of the history of mathematics and mathematics education gabriela gómez pasquali Perú a look at the history of mathematics and mathematics education César Carranza saravia and Uldarico Malaspina Jurado puerto rico the forging of a national identity in mathematics education Héctor Rosario Daniel McGehee Jorge M López Ana H Quintero and Omar A Hernández trinidad and tobago mathematics education in the twin island republic shereen alima khan and vimala judy kamalodeen venezuela signs for the historical reconstruction of its mathematics education fredy Enrique González readership graduates and professionals in mathematics education education planners key features featured introduction by professor Ubiratàn d Ambrosio of Brazil the most prestigious of latin american mathematics educators insights into the impact of political changes of mathematics education in cuba venezuela brazil etc historical references not available elsewhere are covered in this book keywords mathematics mathematics teaching south america central america caribbean mathematics curriculum history of mathematics mathematics education pedagogy in mathematics

Princeton Companion to Applied Mathematics

2015-09-09

this book is a collection of scholarly studies in the history of mathematics education very abbreviated versions of which were presented at the icmi congress in 2021 the book discusses issues in education in brazil and belgium in poland and spain in russia and the united states probably the main factor that unifies the chapters of the book is their attention to key moments in the formation of the field of mathematics education topics discussed in the book include the formation and development of mathematics education for women the role of the research mathematician in the formation of standards for writing textbooks the formation of curricula and the most active figures in this formation during the new math period the formation of certain distinctive features of curricula in poland the formation of the views of david eugene smith and the influence of european mathematics education on him the formation of the american mathematics community and the creation of such forms of student assessment as entrance exams to higher educational institutions the book is of interest not only to historians of mathematics education but also to wide segments of specialists in other areas of mathematics education

Second World Conference on Mathematics at the Service of Man

1982

the term fuzzy logic as it is understood in this book stands for all aspects of representing and manipulating knowledge based on the rejection of the most fundamental principle of classical logic the principle of bivalence according to this principle each declarative sentence is required to be either true or false in fuzzy logic these classical truth values are not abandoned however additional intermediate truth values between true and false are allowed which are interpreted as degrees of truth this opens a new way of thinking thinking in terms of degrees rather than absolutes for example it leads to the definition of a new kind of sets referred to as fuzzy sets in which membership is a matter of degree the book examines the genesis and development of fuzzy logic it surveys the prehistory of fuzzy logic and inspects circumstances that eventually lead to the emergence of fuzzy logic the book explores in detail the development of propositional predicate and other calculi that admit degrees of truth which are known as fuzzy logic in the narrow sense fuzzy logic in the broad sense whose primary aim is to utilize degrees of truth for emulating common sense human reasoning in natural language is scrutinized as well the book also examines principles for developing mathematics based on fuzzy logic and provides overviews of areas in which this has been done most effectively it also presents a detailed survey of established and prospective applications of fuzzy logic in various areas of human affairs and provides an assessment of the significance of fuzzy logic as a new paradigm

Africa and Mathematics

2019-03-30

contains all the mathematics that computer scientists need to know in one place

The Teaching of Geometry at the Pre-College Level

2013-11-11

this handbook explores the history of mathematics under a series of themes which raise new questions about what mathematics has been and what it has meant to practise it it addresses questions of who creates mathematics who uses it and how a broader understanding of mathematical practitioners naturally leads to a new appreciation of what counts as a historical source material and oral evidence is drawn upon as well as an unusual array of textual sources further the ways in which people have chosen to express themselves are as historically meaningful as the contents of the mathematics they have produced mathematics is not a fixed and unchanging entity new questions contexts and applications all influence what counts as productive ways of thinking because the history of mathematics should interact constructively with other ways of studying the past the contributors to this book come from a diverse range of intellectual backgrounds in anthropology archaeology art history philosophy and literature as well as history of mathematics more traditionally understood the thirty six self contained multifaceted chapters each written by a specialist are arranged under three main headings geographies and cultures peoples and practices and interactions and interpretations together they deal with the mathematics of

5000 years but without privileging the past three centuries and an impressive range of periods and places with many points of cross reference between chapters the key mathematical cultures of north america europe the middle east india and china are all represented here as well as areas which are not often treated in mainstream history of mathematics such as russia the balkans vietnam and south america a vital reference for graduates and researchers in mathematics historians of science and general historians

Mathematics and Its Teaching in the Southern Americas

2014-09-26

from a review of the second edition this book covers many interesting topics not usually covered in a present day undergraduate course as well as certain basic topics such as the development of the calculus and the solution of polynomial equations the fact that the topics are introduced in their historical contexts will enable students to better appreciate and understand the mathematical ideas involved if one constructs a list of topics central to a history course then they would closely resemble those chosen here david parrott australian mathematical society this book offers a collection of historical essays detailing a large variety of mathematical disciplines and issues it s accessible to a broad audience this third edition includes new chapters on simple groups and new sections on alternating groups and the poincare conjecture many more exercises have been added as well as commentary that helps place the exercises in context

Advances In The History Of Mathematics Education

2022-06-20

the second edition of mathematics as a laboratory tool reflects the growing impact that computational science is having on the career choices made by undergraduate science and engineering students the focus is on dynamics and the effects of time delays and stochastic perturbations noise on the regulation provided by feedback control systems the concepts are illustrated with applications to gene regulatory networks motor control neuroscience and population biology the presentation in the first edition has been extended to include discussions of neuronal excitability and bursting multistability microchaos bayesian inference second order delay differential equations and the semi discretization method for the numerical integration of delay differential equations every effort has been made to ensure that the material is accessible to those with a background in calculus the text provides advanced mathematical concepts such as the laplace and fourier integral transforms in the form of tools bayesian inference is introduced using a number of detective type scenarios including the monty hall problem

Fuzzy Logic and Mathematics

2017-05-03

this is the second volume in a series of innovative proceedings entirely devoted to the connections between mathematics and computer science here mathematics and computer science are directly confronted and joined to tackle intricate problems in computer science with deep and innovative mathematical approaches the book serves as an outstanding tool and a main information source for a large public in applied mathematics discrete mathematics and computer science including researchers teachers graduate students and engineers it provides an overview of the current questions in computer science and the related modern and powerful mathematical methods the range of applications is very wide and reaches beyond computer science

Comprehensive Mathematics for Computer Scientists 1

2006-10-05

this open access book inspired by the icme 13 thematic afternoon on european didactic traditions takes readers on a journey with mathematics education researchers developers and educators in eighteen countries who reflect on their experiences with realistic mathematics education rme the domain specific instruction theory for mathematics education developed in the netherlands since the late 1960s authors from outside the netherlands discuss what aspects of rme appeal to them their criticisms of rme and their past and current rme based projects it is clear that a particular approach to mathematics education cannot simply be transplanted to another country as such in eighteen chapters the authors describe how

they have adapted rme to their individual circumstances and view on mathematics education and tell their personal stories about how rme has influenced their thinking on mathematics education

The Oxford Handbook of the History of Mathematics

2008-12-18

this engaging book presents the essential mathematics needed to describe simulate and render a 3d world reflecting both academic and in the trenches practical experience the authors teach you how to describe objects and their positions orientations and trajectories in 3d using mathematics the text provides an introduction to mathematics for

Mathematics and Its History

2010-07-23

an important contribution that emerging curriculum makes is a reconceptualizing of the curriculum development process this moves development thinking from the traditional research development dissemination model to one that acknowledges the interrelatedness of many influences on curriculum the multi layered nature of curriculum and the complexity of the educational system in which curriculum exists indeed the educational system is envisaged as a complex living system

Mathematics as a Laboratory Tool

2021-08-11

this book provides an extensive survey on lyapunov type inequalities it summarizes and puts order into a vast literature available on the subject and sketches recent developments in this topic in an elegant and didactic way this work presents the concepts underlying lyapunov type inequalities covering how they developed and what kind of problems they address this survey starts by introducing basic applications of lyapunov s inequalities it then advances towards even order odd order and higher order boundary value problems lyapunov and hartman type inequalities systems of linear nonlinear and quasi linear differential equations recent developments in lyapunov type inequalities partial differential equations linear difference equations and lyapunov type inequalities for linear half linear and nonlinear dynamic equations on time scales as well as linear hamiltonian dynamic systems senior undergraduate students and graduate students of mathematics engineering and science will benefit most from this book as well as researchers in the areas of ordinary differential equations partial differential equations difference equations and dynamic equations some background in calculus ordinary and partial differential equations and difference equations is recommended for full enjoyment of the content

Mathematics and Computer Science II

2012-12-06

for anyone interested in the history and effects of the introduction of so called modern mathematics or mathématique moderne or new mathematics etc this book by dirk de bock and geert vanpaemel is essential reading the two authors are experienced and highly qualified belgian scholars and the book looks carefully at events relating to school mathematics for the period from the end of world war ii to 2010 initially the book focuses on events which helped to define the modern mathematics revolution in belgium before and during the 1960s the book does much more than that however for it traces the influence of these events on national and international debates during the early phases of the reform by providing readers with translations into english of relevant sections of key continental documents outlining the major ideas of leading continental scholars who contributed to the mathématique moderne movement this book makes available to a wide readership the theoretical social and political backdrops of continental new mathematics reforms in particular the book focuses on the contributions made by belgians such as paul libois willy servais Frédérique lenger and georges papy the influence of modern mathematics fell away rapidly in the 1970s however and the authors trace the rise and fall from that time into the 21st century of a number of other approaches to school mathematics in belgium in other western european nations and in north america in summary this is an outstanding landmark publication displaying the fruits of deep scholarship and careful research based on extensive analyses of primary sources

International Reflections on the Netherlands Didactics of Mathematics

2019-08-13

virtually every area of research associated with sharks and their relatives has been strongly impacted by the revolutionary growth in technology the questions we can now ask are very different than those reported even two decades ago modern immunological and genetic techniques satellite telemetry and archival tagging modern phylogenetic analysis gis and bomb dating are just a few of the techniques and procedures that have become a part of our investigative lexicon a modern synthesis of the biology of chondrichthyans biology of sharks and their relatives second edition discusses significant advances in the development and application of new molecular techniques to the understanding of the phylogenetic relationships among and between these groups the book considers the effect of global changes on the status of sharks and their relatives and how advances in technology and analytical techniques have changed not only how we approach problem solving and scientific investigations but how we formulate questions the book also introduces applications of new and novel laboratory devices techniques and field instruments this second edition of the award winning and groundbreaking original exploration of the fundamental elements of the taxonomy systematics physiology and ecology of sharks skates rays and chimera presents cohesive and integrated coverage of key topics and discusses technological advances used in modern shark research offering a well rounded picture for students and researchers and far above competitors in scope and research this new volume holds a wealth of data on the current status of chondrichthyan research and provides the basis and springboard for original research cover photo by justin gilligan

3D Math Primer for Graphics and Game Development

2011-11-02

the thoroughly revised updated 3rd edition of cds 12 years mathematics english general knowledge topic wise solved papers 2007 feb 2018 feb consists of last 12 years both feb and november papers from 2007 paper 1 2018 paper 1 solved papers of elementary mathematics english and general knowledge distributed into 42 topics in all there are 23 question papers from 2007 to 2018 i which have been divided into the above discussed 42 topics practicing these questions aspirants will come to know about the pattern and toughness of the questions asked in the examination all the papers are divided into following sections section i mathematics which is distributed into 25 topics section ii english is divided into 8 topics section iii general knowledge is divided into 9 topics the book contains 6460 milestone mcq s from the above 23 question papers the strength of the book lies in the originality of its question papers and errorless solutions the solution of each and every question is provided in detail step by step so as to provide 100 concept clarity to the students

Emerging Curriculum

2008-01-01

this volume presents state of the art developments in theoretical and applied fluid mechanics chapters are based on lectures given at a workshop in the summer school fluids under control held in prague on august 25 2021 readers will find a thorough analysis of current research topics presented by leading experts in their respective fields specific topics covered include magnetohydrodynamic systems the steady navier stokes fourier system boussinesq equations fluid structure acoustic interactions fluids under control will be a valuable resource for students interested in mathematical fluid mechanics

Lyapunov Inequalities and Applications

2021-04-12

this text is an introduction to the spectral theory of the laplacian on compact or finite area hyperbolic surfaces for some of these surfaces called arithmetic hyperbolic surfaces the eigenfunctions are of arithmetic nature and one may use analytic tools as well as powerful methods in number theory to study them after an introduction to the hyperbolic geometry of surfaces with a special emphasis on those of arithmetic type and then an introduction to spectral analytic methods on the laplace operator on these surfaces the author develops the analogy between geometry closed geodesics and arithmetic prime numbers in proving the selberg trace formula along with important number theoretic applications the

author exhibits applications of these tools to the spectral statistics of the laplacian and the quantum unique ergodicity property the latter refers to the arithmetic quantum unique ergodicity theorem recently proved by elon lindenstrauss the fruit of several graduate level courses at orsay and jussieu the spectrum of hyperbolic surfaces allows the reader to review an array of classical results and then to be led towards very active areas in modern mathematics

Rods, Sets and Arrows

2019-12-10

this second edition of the outstanding monograph on coherent states by combes and robert published in 2012 is enriched with figures historical information and numerical simulations and enlarged with five new chapters presenting important rigorous results obtained in the recent years the new chapters include various applications such as to the time dependent schroedinger equation and the ehrenfest time to the growth of norms and energy exchanges to chaotic systems and classical systems with quantum ergodic behavior and to open quantum systems and to adiabatic decoupling for multicomponent systems overall this book presents the various types of coherent states introduced and studied in the physics and mathematics literature and describes their properties together with application to quantum physics problems it is intended to serve as a compendium on coherent states and their applications for physicists and mathematicians stretching from the basic mathematical structures of generalized coherent states in the sense of perelomov via the semiclassical evolution of coherent states to various specific examples of coherent states hydrogen atom quantum oscillator etc it goes beyond existing books on coherent states in terms of a rigorous mathematical framework

Biology of Sharks and Their Relatives, Second Edition

2012-04-09

The Second Empire as Exhibited in French Literature 1852 - 1863

1865

CDS 14 Years Mathematics, English & General Knowledge Topic-wise Solved Papers (2007 - 2020) - 4th Edition

2020-06-20

CDS 12 Years Topic-wise Solved Papers Mathematics, English & General Knowledge (2007-2018) - 3rd Edition

2004

Mathematical Reviews

2023-06-18

Fluids Under Control

2016-02-19

The Spectrum of Hyperbolic Surfaces

2021-05-25

Coherent States and Applications in Mathematical Physics

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