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Diophantus of Alexandria
Mathematical Problem Solving
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The Mathematical Writings of Évariste Galois
The Naturalist and His 'beautiful Islands'
Natural Language Processing and Cognitive Science
Early American Textbooks, 1775-1900
Proofs from THE BOOK
Livres de France

Arbeitstagung Bonn, 1984
Introduction to the Theory of Numbers

RAY VILLEGAS

Soil Biology as Related to Land Use Practices Springer
An encyclopedic presentation of general orthogonal polynomials, placing emphasis on asymptotic behaviour and zero distribution.
System Software Reliability Springer Science & Business Media
Includes, 1982-1995: Les Livres du mois, also published separately.
Task Design In Mathematics Education Elsevier
BETHANY MACDONALD HAS TRAINED SIX LONG YEARS FOR THIS MOMENT. SHE'LL TRY TO SOLVE FIVE QUESTIONS IN THREE HOURS, FOR ONE IMPROBABLE DREAM. THE DREAM OF REPRESENTING HER COUNTRY, AND BECOMING A MATH OLYMPIAN. As a small-town girl in Nova Scotia bullied for liking numbers more than boys, and lacking the encouragement of her unsupportive single mother who frowns at her daughter's unrealistic ambition, Bethany's road to the International Math Olympiad has been marked by numerous challenges. Through persistence, perseverance, and the support of innovative mentors who inspire her with a love of learning, Bethany confronts these challenges and develops the creativity and confidence to reach her potential. In training to become a world-champion "mathlete", Bethany discovers the heart of mathematics - a subject that's not about memorizing formulas, but rather about problem-solving and detecting patterns to uncover truth, as well as learning how to apply the deep and unexpected connections of mathematics to every aspect of her life, including athletics, spirituality, and environmental sustainability. As Bethany reflects on her long journey and envisions her exciting future, she realizes that she has shattered the misguided stereotype that only boys can excel in math, and discovers a sense of purpose that through mathematics, she can and she will make an extraordinary contribution to society.
Descartes's Mathematical Thought Getty Publications
Edelcio G. de Souza (University of São Paulo, Brazil) is a Brazilian logician and philosopher who has researches in the domains of abstract logic, non-classical systems, philosophy of science and the foundations of mathematics. This book is in his honor with the purpose of celebrating his 60th birthday. It contains some articles connected with the above topics and other subjects in logical investigations.
The Canada Gazette FriesenPress
Hypertension has certainly been one of the topics most fre quently discussed at symposia, meetings, and congresses during recent years. There may be several reasons for this; three of them are obvious: firstly, the fact that a large proportion of the world's population is suffering from various forms of hypertensive disease; secondly, increasing knowledge of the pathogenesis of hypertension and of the disturbances underlying it; and, thirdly, the marked progress which has been made in antihypertensive therapy over the past fifteen years. When plans for the present symposium were being drawn up, it was felt that it should not simply bring forth just another meeting on hypertension, but should place particular emphasis on those aspects which had not been adequately discussed at previous symposia of this kind. Curiously enough, the topic which appeared to have received least attention in the past was therapy, although from the practical point of view this is by far the most important. The choice of therapy as the main theme of the whole symposium also seemed to be warranted in view of the relatively long period that had elapsed since effective antihyper tensive treatment became available; the time had in fact come now to pass judgement on the benefits as well as the shortcomings of drug treatment as available today.
Abstract Consequence and Logics London : Macmillan Press
Liste des publications québécoises ou relatives au Québec établie par la Bibliothèque nationale du Québec.
Lessons Learned Ausonius Éditions
Before he died at the age of twenty, shot in a mysterious early-morning duel at the end of May 1832, Evariste Galois created mathematics that changed the direction of algebra. This book contains English translations of almost all the Galois material. The translations are presented alongside a new transcription of the original French and are enhanced by three levels of commentary. An introduction explains the context of Galois' work, the various publications in which it appears, and the vagaries of his manuscripts. Then there is a chapter in which the five mathematical articles published in his lifetime are reprinted. After that come the testamentary letter and the first memoir (in which Galois expounded on the ideas that led to Galois Theory), which are the most famous of the manuscripts. These are followed by the second memoir and other lesser known manuscripts. This book makes available to a wide mathematical and historical readership some of the most exciting mathematics of the first half of the nineteenth century, presented in its original form. The primary aim is to establish a text of what Galois wrote. The details of what he did, the proper evidence of his genius, deserve to be well understood and appreciated by mathematicians as well as historians of mathematics.
Les Livres disponibles Allied Publishers
According to the great mathematician Paul Erdös, God maintains perfect mathematical proofs in The Book. This book presents the authors candidates for such "perfect proofs," those which contain brilliant ideas, clever connections, and wonderful observations, bringing new insight and surprising perspectives to problems from number theory, geometry, analysis, combinatorics, and graph theory. As a result, this book will be fun reading for anyone with an interest in mathematics.
The Math Olympian Springer Science & Business Media
The 39th volume of Séminaire de Probabilités is a tribute to the memory of Paul André Meyer. His life and achievements are recalled in this book, and tributes are paid by his friends and colleagues. This volume also contains mathematical contributions to classical and quantum stochastic calculus, the theory of processes, martingales and their applications to mathematical finance and Brownian motion. These contributions provide an overview on the current trends of stochastic calculus.
Catalog of Copyright Entries Springer Science & Business Media
THIS BOOK IS AVAILABLE AS OPEN ACCESS BOOK ON SPRINGERLINK This open access book is the product of ICMI Study 22 Task Design in Mathematics Education. The study offers

a state-of-the-art summary of relevant research and goes beyond that to develop new insights and new areas of knowledge and study about task design. The authors represent a wide range of countries and cultures and are leading researchers, teachers and designers. In particular, the authors develop explicit understandings of the opportunities and difficulties involved in designing and implementing tasks and of the interfaces between the teaching, researching and designing roles – recognising that these might be undertaken by the same person or by completely separate teams. Tasks generate the activity through which learners meet mathematical concepts, ideas, strategies and learn to use and develop mathematical thinking and modes of enquiry. Teaching includes the selection, modification, design, sequencing, installation, observation and evaluation of tasks. The book illustrates how task design is core to effective teaching, whether the task is a complex, extended, investigation or a small part of a lesson; whether it is part of a curriculum system, such as a textbook, or promotes free standing activity; whether the task comes from published source or is devised by the teacher or the student.

Livres hebdo Springer

Covering both the history of mathematics and of philosophy, Descartes's Mathematical Thought reconstructs the intellectual career of Descartes most comprehensively and originally in a global perspective including the history of early modern China and Japan. Especially, it shows what the concept of "mathesis universalis" meant before and during the period of Descartes and how it influenced the young Descartes. In fact, it was the most fundamental mathematical discipline during the seventeenth century, and for Descartes a key notion which may have led to his novel mathematics of algebraic analysis.

Expect Anything, Fear Nothing Springer Science & Business Media

The book presents the winners of the first five Abel Prizes in mathematics: 2003 Jean-Pierre Serre; 2004 Sir Michael Atiyah and Isadore Singer; 2005 Peter D. Lax; 2006 Lennart Carleson; and 2007 S.R. Srinivasa Varadhan. Each laureate provides an autobiography or an interview, a curriculum vitae, and a complete bibliography. This is complemented by a scholarly description of their work written by leading experts in the field and by a brief history of the Abel Prize. Interviews with the laureates can be found at http://extras.springer.com .

The Abel Prize Cambridge University Press

Peer reviewed articles from the Natural Language Processing and Cognitive Science (NLPCS) 2014 meeting in October 2014 workshop. The meeting fosters interactions among researchers and practitioners in NLP by taking a Cognitive Science perspective. Articles cover topics such as artificial intelligence, computational linguistics, psycholinguistics, cognitive psychology and language learning.

Maths, 6e Autonomedia

This book is addressed to people with research interests in the nature of mathematical thinking at any level, to people with an interest in "higher-order thinking skills" in any domain, and to all mathematics teachers. The focal point of the book is a framework for the analysis of complex problem-solving behavior. That framework is presented in Part One, which consists of Chapters 1 through 5. It describes four qualitatively different aspects of complex intellectual activity: cognitive resources, the body of facts and procedures at one's disposal; heuristics, "rules of thumb" for making progress in difficult situations; control, having to do with the efficiency with which individuals utilize the knowledge at their disposal; and belief systems, one's perspectives regarding the nature of a discipline and how one goes about working in it. Part Two of the book, consisting of Chapters 6 through 10, presents a series of empirical studies that flesh out the analytical framework. These studies document the ways that competent problem solvers make the most of the knowledge at their disposal. They include observations of students, indicating some typical roadblocks to success. Data taken from students before and after a series of intensive problem-solving courses document the kinds of learning that can result from carefully designed instruction. Finally, observations made in typical high school classrooms serve to indicate some of the sources of students' (often counterproductive) mathematical behavior.

Regionalism in Hellenistic and Roman Asia Minor ANU Press

Based on the 1987 International Commission on Mathematical Instruction conference, this volume comprises key papers on the role of mathematics in applied subjects.

Antihypertensive Therapy Walter de Gruyter GmbH & Co KG

‘I know no place where firm and paternal government would sooner produce beneficial results then in the Solomons ... Here is an object worthy indeed the devotion of one’s life’. Charles Morris Woodford devoted his working life to pursuing this dream, becoming the first British Resident Commissioner in 1897 and remaining in office until 1915, establishing the colonial state almost singlehandedly. His career in the Pacific extended beyond the Solomon Islands. He worked briefly for the Western Pacific High Commission in Fiji, was a temporary consul in Samoa, and travelled as a Government Agent on a small labour vessel returning indentured workers to the Gilbert Islands. As an independent naturalist he made three successful expeditions to the islands, and even climbed Mt Popomanaseu, the highest mountain in Guadalcanal. However, his natural history collection of over 20,000 specimens, held by the British Museum of Natural History, has not been comprehensively examined. The British Solomon Islands Protectorate was established in order to control the Pacific Labour Trade and to counter possible expansion by French and German colonialists. It remaining an impoverished, largely neglected protectorate in the Western Pacific whose economic importance was large-scale copra production, with its copra considered the second-worst in the world. This book is a study of Woodford, the man, and what drove his desire to establish a colonial protectorate in the Solomon Islands. In doing so, it also addresses ongoing issues: not so much why the independent state broke down, but how imperfectly it was put together in the first place.

Myth and Symbol I European Mathematical Society

The SAGE Handbook of Diplomacy provides a major thematic overview of Diplomacy and its study that is theoretically and historically informed and in sync with the current and future needs of diplomatic practice . Original contributions from a brilliant team of global experts are organised into four thematic sections: Section One: Diplomatic Concepts & Theories Section Two: Diplomatic Institutions Section Three: Diplomatic Relations Section Four: Types of Diplomatic Engagement

The Athenaeum Springer Science & Business Media

Mosaik - Konservierung - Restaurierung.

Graph Theory with Applications SAGE

This volume is the first English-language presentation of the Scandinavian Situationists and their role in the Situationist movement. The Situationist movement was an international

movement of artists, writers and thinkers that in the 1950s and 1960s tried to revolutionize the world through rejecting bourgeois art and critiquing the post-World War Two capitalist consumer society.

Teaching and Learning Mathematics Editions Bréal

Computer software reliability has never been so important. Computers are used in areas as diverse as air traffic control, nuclear reactors, real-time military, industrial process control, security system control, biometric scan-systems, automotive, mechanical and safety control, and hospital patient monitoring systems. Many of these applications require critical functionality as software applications increase in size and complexity. This book is an introduction to software reliability engineering and a survey of the state-of-the-art techniques, methodologies and tools used to assess the reliability of software and combined software-hardware systems. Current research results are reported and future directions are signposted. This text will interest: graduate students as a course textbook introducing reliability engineering software; reliability engineers as a broad, up-to-date survey of the field; and researchers and lecturers in universities and research institutions as a one-volume reference.