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Proofs from THE BOOK - Martin Aigner 2013-06-29

According to the great mathematician Paul Erdős, 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.

An introduction to the theory of numbers - Ivan Niven 1993

A Handbook of Greek and Roman Coins - G. F. Hill 2019-09-10

This book has been considered by academicians and scholars of great significance and value to literature. This forms a part of the knowledge base for future generations. So that the book is never forgotten we have represented this book in a print format as the same form as it was originally first published. Hence any marks or annotations seen are left intentionally to preserve its true nature.

A History of the Study of Mathematics at Cambridge - Walter William Rouse Ball 1889

Proceedings of the Fifth International Congress of Mathematicians - Ernest William Hobson 1913

V. I, pt. I. Report of the congress. pt. II. Lectures ; communications

(section I) -- v. II. Communications to sections II-IV.

Pre-Text/Text/Context - Robert L. Mitchell 2015-12-18

The nineteenth century in France is a nightmare for literary historians. Their thirst for categorization is more easily quenched by prior centuries, to which, because they seem unified by cohesive preoccupations and common goals, such appellations as the Renaissance, the Classical Age or "le grand siecle," and the Enlightenment or Age of Ideas are appropriately applied. For the protean nineteenth century, for which no such handy tag has been or can be devised, is beyond all else distinguished by extreme heterogeneity and eclecticism. A period of chaotic social and political instability, of scientific and industrial revolution, it is, in literature, a time not of solidarity, but of unprecedented individualism. If such diversity precludes coherence in nineteenth-century French literature, it can itself be recognized as the "organizing" element of this literary epoch. And it is precisely this paradox that the essays in this volume intend to reflect. They are not unified, as orthodoxy might dictate, by a common approach or theme or author. Rather they are marked, as was the century that is their context, by divergence and variety, not harmony and consistency. Eclecticism, indeed, has shaped the basic conception of the collection. Part 1 examines themes, presented as "pre-text," that inform either authorial motivation or the orientation of a text prior to its actual inscription. Part 2 approaches the process of writing from the perspective of the text

itself. And Part 3 is concerned with those spatial, temporal, and linguistic elements ("context") that surround the literary text. Robert L. Mitchell is assistant professor of Romance languages and literatures at the Ohio State University."

Prime Numbers and Computer Methods for Factorization - H. Riesel
2013-03-14

In this book the author treats four fundamental and apparently simple problems. They are: the number of primes below a given limit, the approximate number of primes, the recognition of prime numbers and the factorization of large numbers. A chapter on the details of the distribution of the primes is included as well as a short description of a recent application of prime numbers, the so-called RSA public-key cryptosystem. The author is also giving explicit algorithms and computer programs. Whilst not claiming completeness, the author has tried to give all important results known, including the latest discoveries. The use of computers has in this area promoted a development which has enormously enlarged the wealth of results known and that has made many older works and tables obsolete. As is often the case in number theory, the problems posed are easy to understand but the solutions are theoretically advanced. Since this text is aimed at the mathematically inclined layman, as well as at the more advanced student, not all of the proofs of the results given in this book are shown. Bibliographical references in these cases serve those readers who wish to probe deeper. References to recent original works are also given for those who wish to pursue some topic further. Since number theory is seldom taught in basic mathematics courses, the author has appended six sections containing all the algebra and number theory required for the main body of the book.

Return to Reason - Stephen Edelston Toulmin 2009-06-30

Stephen Toulmin argues that the potential for reason to improve our lives has been hampered by a serious imbalance in our pursuit of knowledge. The centuries-old dominance of rationality has diminished the value of reasonableness. Toulmin issues a powerful call to redress the balance between rationality and reasonableness.

Biodiversity in Enclosed Seas and Artificial Marine Habitats - G.

Relini 2007-06-10

The main themes of the Symposium were biodiversity in enclosed and semi-enclosed seas and artificial habitats, and the restoration of degraded systems. These themes are highly relevant today. The papers dealing with the first theme represent current research and concerns about marine biodiversity in enclosed seas. The papers in the second theme represent a synthesis of up-to-date knowledge on artificial habitats.

The New Book of Prime Number Records - Paulo Ribenboim
2012-12-06

This text originated as a lecture delivered November 20, 1984, at Queen's University, in the undergraduate colloquium series. In another colloquium lecture, my colleague Morris Orzech, who had consulted the latest edition of the Guinness Book of Records, reminded me very gently that the most "innumerate" people of the world are of a certain tribe in Mato Grosso, Brazil. They do not even have a word to express the number "two" or the concept of plurality. "Yes, Morris, I'm from Brazil, but my book will contain numbers different from 'one.'" He added that the most boring 800-page book is by two Japanese mathematicians (whom I'll not name) and consists of about 16 million decimal digits of the number π . "I assure you, Morris, that in spite of the beauty of the apparent randomness of the decimal digits of π , I'll be sure that my text will include also some words." And then I proceeded putting together the magic combination of words and numbers, which became *The Book of Prime Number Records*. If you have seen it, only extreme curiosity could impel you to have this one in your hands. *The New Book of Prime Number Records* differs little from its predecessor in the general planning. But it contains new sections and updated records.

Horticulture: Plants for People and Places, Volume 1 - Geoffrey R. Dixon
2014-06-10

This Trilogy explains "What is Horticulture?". Volume one of *Horticulture: Plants for People and Places* describes in considerable depth the science, management and technology which underpins the continuous production of fresh and processed horticultural produce.

Firstly, there is a consideration of technological innovation derived from basic scientific discoveries which has given rise to entirely new industries, markets, novel crops and changed social habits. Then follows accounts of the modern production of: Field Vegetables, Temperate Fruit, Tropical Fruit, Citrus, Plantation Crops, Berry Crops, Viticulture, Protected Crops, Flower Crops, New Crops, Post-harvest Handling, Supply Chain Management and the Environmental Impact of Production. Each chapter is written by acknowledged world experts. Never before has such an array of plentiful, high quality fresh fruit, vegetables and ornamentals been available year-round in the World's retail markets. Horticulture gives consumers this gift of nutritious, high quality, safe and diverse fresh foods. This is achieved by manipulating plant growth, reproduction and postharvest husbandry. The multi-billion dollar international industry achieving this is Production Horticulture the subject of this informative book.

The Dance of the Islands - Christy Constantakopoulou 2010-07-29
Christy Constantakopoulou examines the history of the Aegean islands and changing concepts of insularity, with particular emphasis on the fifth century BC. Islands are a prominent feature of the Aegean landscape, and this inevitably created a variety of different (and sometimes contradictory) perceptions of insularity in classical Greek thought. Geographic analysis of insularity emphasizes the interplay between island isolation and island interaction, but the predominance of islands in the Aegean sea made island isolation almost impossible. Rather, island connectivity was an important feature of the history of the Aegean and was expressed on many levels. Constantakopoulou investigates island interaction in two prominent areas, religion and imperial politics, examining both the religious networks located on islands in the ancient Greek world and the impact of imperial politics on the Aegean islands during the fifth century.

Theatre and the City - Jen Harvie 2009-06-02

How can an understanding of theatre in the city help us make sense of urban social experience? *Theatre & the City* explores how relationships between theatre, performance and the city affect social power dynamics,

ideologies and people's sense of identity. The book evaluates both material conditions (such as architecture) and performative practices (such as urban activism) to argue that both these categories contribute to the complex economies and ecologies of theatre and performance in an increasingly urbanised world. Foreword by Tim Etchells.

Science and Method - Henri Poincaré 2013-02-21

Classic account of basic methodology and psychology of scientific discovery explains how scientists analyze and choose their working facts and explores the nature of experimentation, theory, and the mind. 1914 edition.

Teaching and Learning About Whole Numbers in Primary School - Terezinha Nunes 2016-08-29

This book offers a theory for the analysis of how children learn and are taught about whole numbers. Two meanings of numbers are distinguished - the analytical meaning, defined by the number system, and the representational meaning, identified by the use of numbers as conventional signs that stand for quantities. This framework makes it possible to compare different approaches to making numbers meaningful in the classroom and contrast the outcomes of these diverse aspects of teaching. The book identifies themes and trends in empirical research on the teaching and learning of whole numbers since the launch of the major journals in mathematics education research in the 1970s. It documents a shift in focus in the teaching of arithmetic from research about teaching written algorithms to teaching arithmetic in ways that result in flexible approaches to calculation. The analysis of studies on quantitative reasoning reveals classifications of problem types that are related to different cognitive demands and rates of success in both additive and multiplicative reasoning. Three different approaches to quantitative reasoning education illustrate current thinking on teaching problem solving: teaching reasoning before arithmetic, schema-based instruction, and the use of pre-designed diagrams. The book also includes a summary of contemporary approaches to the description of the knowledge of numbers and arithmetic that teachers need to be effective teachers of these aspects of mathematics in primary school. The

concluding section includes a brief summary of the major themes addressed and the challenges for the future. The new theoretical framework presented offers researchers in mathematics education novel insights into the differences between empirical studies in this domain. At the same time the description of the two meanings of numbers helps teachers distinguish between the different aims of teaching about numbers supported by diverse methods used in primary school. The framework is a valuable tool for comparing the different methods and identifying the various assumptions about teaching and learning.

The Postmodern Condition - Jean-François Lyotard 1984

In this book it explores science and technology, makes connections between these epistemic, cultural, and political trends, and develops profound insights into the nature of our postmodernity.

Mathematics as a Service Subject - A. G. Howson 1988-05-27

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

Euclid—The Creation of Mathematics - Benno Artmann 2012-12-06

Euclid presents the essential of mathematics in a manner which has set a high standard for more than 2000 years. This book, an explanation of the nature of mathematics from its most important early source, is for all lovers of mathematics with a solid background in high school geometry, whether they be students or university professors.

The Invention and Gendering of Epicurus - Pamela Gordon 2012-04-11

The school of Greek philosopher Epicurus, which became known as the Garden, famously put great stock in happiness and pleasure. As a philosophical community, and a way of seeing the world, Epicureanism had a centuries-long life in Athens and Rome, as well as across the Mediterranean. The Invention and Gendering of Epicurus studies how the Garden's outlook on pleasure captured Greek and Roman imaginations---particularly among non-Epicureans---for generations after its legendary founding. Unsympathetic sources from disparate eras generally focus not on historic personages but on the symbolic Epicurean. And yet the traditions of this imagined Garden, with its disreputable women and

unmanly men, give us intermittent glimpses of historical Epicureans and their conceptions of the Epicurean life. Pamela Gordon suggests how a close hearing and contextualization of anti-Epicurean discourse leads us to a better understanding of the cultural history of Epicureanism. Her primary focus is on sources hostile to the Garden, but her Epicurean-friendly perspective is apparent throughout. Her engagement with ancient anti-Epicurean texts makes more palpable their impact on modern responses to the Garden. Intended both for students and for scholars of Epicureanism and its response, the volume is organized primarily according to the themes common among Epicurus' detractors. It considers the place of women in Epicurean circles, as well as the role of Epicurean philosophy in Homer and other writers.

Elementary Algebraic Geometry - Keith Kendig 2015-02-18

"This second edition of an introductory text is intended for advanced undergraduate and graduate students who have taken a one-year course in algebra and are familiar with complex analysis. Concrete examples and exercises illuminate chapters on curves, ring theory, arbitrary dimension, and other topics. Includes numerous updated figures specially redrawn for this edition. 2014 edition"--

Against All Odds - Eva Kaufholz-Soldat 2021-07-31

This book presents an overview of the ways in which women have been able to conduct mathematical research since the 18th century, despite their general exclusion from the sciences. Grouped into four thematic sections, the authors concentrate on well-known figures like Sophie Germain and Grace Chisholm Young, as well as those who have remained unnoticed by historians so far. Among them are Stanisława Nidodym, the first female students at the universities in Prague at the turn of the 20th century, and the first female professors of mathematics in Denmark. Highlighting individual biographies, couples in science, the situation at specific European universities, and sociological factors influencing specific careers from the 18th century to the present, the authors trace female mathematicians' status as it evolved from singular and anomalous to virtually commonplace. The book also offers insights into the various obstacles women faced when trying to enter perhaps the "most male"

discipline of all, and how some of them continue to shape young girls' self-perceptions and career choices today. Thus, it will benefit scholars and students in STEM disciplines, gender studies and the history of science; women in science, mathematics and at institutions, and those working in mathematics education.

An Energy Principle for Hydromagnetic Stability Problems - Ira B. Bernstein 1957

Number Theory 1 - Kazuya Kato 2000

This is the English translation of the original Japanese book. In this volume, "Fermat's Dream", core theories in modern number theory are introduced. Developments are given in elliptic curves, p -adic numbers, the ζ -function, and the number fields. This work presents an elegant perspective on the wonder of numbers. Number Theory 2 on class field theory, and Number Theory 3 on Iwasawa theory and the theory of modular forms, are forthcoming in the series.

Sanskrit Computational Linguistics - Girish Nath Jha 2010-12-02

This volume constitutes the refereed proceedings of the 4th International Symposium on Sanskrit Computational Linguistics, held in New Delhi, India, in December 2010. The 18 revised full papers presented were carefully reviewed and selected from numerous submissions. The papers can be categorized under following broad areas such as phonology and speech technology; morphology and shallow parsing; syntax, semantics and parsing; lexical resources, annotation and search; machine translation and ambiguity resolution.

Beyond Topology - Frédéric Mynard 2009-05-15

The purpose of this collection is to guide the non-specialist through the basic theory of various generalizations of topology, starting with clear motivations for their introduction. Structures considered include closure spaces, convergence spaces, proximity spaces, quasi-uniform spaces, merotopic spaces, nearness and filter spaces, semi-uniform convergence spaces, and approach spaces. Each chapter is self-contained and accessible to the graduate student, and focuses on motivations to introduce the generalization of topologies considered, presenting

examples where desirable properties are not present in the realm of topologies and the problem is remedied in the more general context. Then, enough material will be covered to prepare the reader for more advanced papers on the topic. While category theory is not the focus of the book, it is a convenient language to study these structures and, while kept as a tool rather than an object of study, will be used throughout the book. For this reason, the book contains an introductory chapter on categorical topology.

Acta Conventus Neo-Latini Torontonensis - International Congress of Neo-Latin Studies (7, 1988, Toronto) 1991

The Training of Teachers of Mathematics for the Secondary Schools of the Countries Represented in the International Commission on the Teaching of Mathematics - Raymond Clare Archibald 1918

A Concise Introduction to the Theory of Numbers - Alan Baker 1984-11-29

In this book, Professor Baker describes the rudiments of number theory in a concise, simple and direct manner.

Studies in Lie Theory - Joseph Bernstein 2006-07-27

Contains new results on different aspects of Lie theory, including Lie superalgebras, quantum groups, crystal bases, representations of reductive groups in finite characteristic, and the geometric Langlands program

Physical Studies of Minor Planets - Tom Gehrels 1971

"... Some papers and discussions included in this book even though they were not presented at the meeting. In some respects, therefore, the book is independent of the colloquium. Several papers had been invited long beforehand with the request to publish them as review papers. The lack of a modern textbook on minor planets is keenly felt, and the proceedings of this meeting, with these additions, should provide a good reference book."--Page viii.

Natural Language Processing for Historical Texts - Michael Piotrowski 2012-09-01

More and more historical texts are becoming available in digital form. Digitization of paper documents is motivated by the aim of preserving cultural heritage and making it more accessible, both to laypeople and scholars. As digital images cannot be searched for text, digitization projects increasingly strive to create digital text, which can be searched and otherwise automatically processed, in addition to facsimiles. Indeed, the emerging field of digital humanities heavily relies on the availability of digital text for its studies. Together with the increasing availability of historical texts in digital form, there is a growing interest in applying natural language processing (NLP) methods and tools to historical texts. However, the specific linguistic properties of historical texts -- the lack of standardized orthography, in particular -- pose special challenges for NLP. This book aims to give an introduction to NLP for historical texts and an overview of the state of the art in this field. The book starts with an overview of methods for the acquisition of historical texts (scanning and OCR), discusses text encoding and annotation schemes, and presents examples of corpora of historical texts in a variety of languages. The book then discusses specific methods, such as creating part-of-speech taggers for historical languages or handling spelling variation. A final chapter analyzes the relationship between NLP and the digital humanities. Certain recently emerging textual genres, such as SMS, social media, and chat messages, or newsgroup and forum postings share a number of properties with historical texts, for example, nonstandard orthography and grammar, and profuse use of abbreviations. The methods and techniques required for the effective processing of historical texts are thus also of interest for research in other domains. Table of Contents: Introduction / NLP and Digital Humanities / Spelling in Historical Texts / Acquiring Historical Texts / Text Encoding and Annotation Schemes / Handling Spelling Variation / NLP Tools for Historical Languages / Historical Corpora / Conclusion / Bibliography

Human Nature - David Berlinski 2019-11-04

Conventional wisdom holds that the murder rate has plummeted since the Middle Ages; humankind is growing more peaceful and enlightened; man is shortly to be much improved--better genes, better neural circuits,

better biochemistry; and we are approaching a technological singularity that well may usher in utopia. Human Nature eviscerates these and other doctrines of a contemporary nihilism masquerading as science. In this wide-ranging work polymath David Berlinski draws upon history, mathematics, logic, and literature to retrain our gaze on an old truth many are eager to forget: there is and will be about the human condition beauty, nobility, and moments of sublime insight, yes, but also ignorance and depravity. Men are not about to become like gods.

Reading Roman Declamation - Martin T. Dinter 2016-01-01

As a genre situated at the crossroad of rhetoric and fiction, declamatio offers the freedom to experiment with new forms of discourse. Placing the literariness of (Ps)Quintilian's oeuvre into the spotlight, this volume showcases declamation as a realm of genuine literary creation with its own theoretical underpinning, literary technique and generic conventions. It is of interest to students and scholars of rhetoric and Roman Literature.

Imaginatio Creatrix - Anna-Teresa Tymieniecka 2004-09-03

The fulgurating power of creative imagination - *Imaginatio Creatrix* - setting in motion the Human Condition within the-unity-of-everything there-is-alive is the key to the rebirth of philosophy. From as early as 1971 (see the third volume of the *Analecta Husserliana* series, *The Phenomenological Realism of the Possible Worlds*, Anna-Teresa Tymieniecka, ed.), *Imaginatio Creatrix* has been the leitmotif for the research work of the World Phenomenology Institute (now published in eighty-three *Analecta Husserliana* volumes), one that is eliciting echoes from all around. Husserl's diagnosis of a crisis in Western science and culture, the inspiration of much of postmodern phenomenology, has yielded place to a wave of scientific discovery, technological invention, and change in societal life, individual lifestyles, the arts, etc. These throw a glaring light on human creative genius and the crucial role of the imagination that gives it expression. This present collection is an instance of that expression and the response it evokes. It manifests the role of imagination in forming and interpreting our world -in-transformation in a new way and opens our eyes to marvel at the new

world on the way. Papers by: Semiha Akinci, John Baldacchino, Angela Ales Bello, Elif Cirakman, Tracy Colony, Carmen Cozma, Charles de Brantes, Mamuka G. Dolidze, Edward Domagala, Shannon Driscoll, Nader E1-Bizri, Ignacy Fiut, William Franke, Elga Freiberga, Beata Furgalska, Nicoletta Ghigi, Jennifer Anna Gosetti-Ferencei, David Grünberg, Oliver W. Holmes, Milan Jaros, Rolf Kühn, Maija Kule, Rimma Kurenkova, Matthew Landrus, Nancy Mardas, David Martinez, William D. Melaney, Mieczyslaw, Pawel Migon, Martin Nkafu Nkemnkia, Leszek Pyra, W. Kim Rogers, Bruce Ross, Osvaldo Rossi, Julio E. Rubio, Diane G. Scillia, Mina Sehdev, Dennis E. Skocz, Mariola Sulkowska, Robert D. Sweeney, Jan Szmyd, Piero Trupia, Anna-Teresa Tymieniecka, Richard T. Webster.

Laughing Atoms, Laughing Matter - T.H.M. Gellar-Goad 2020-03-02
"The aim of this study is to track *De Rerum Natura* along two paths of satire. One is the broad boulevard of satiric literature from the beginnings of Greek poetry to the plays, essays, and broadcast media of the modern world. The other is the narrower lane of Roman verse satire, *satura*, whose canon begins in the Middle Republic with Ennius and Lucilius and closes with Juvenal, an author of the Flavian era. The first main portion of this book (chapters 2-3) focuses on Lucretius and Roman *satura*, while the following chapters broaden the scope to satiric elements of Lucretius more generally, but still with plenty of reference to the poets of Roman *satura* as satirists par excellence. By examining how Lucretius' poem employs the tools, techniques, and tactics of satire-by evaluating how and where in *De Rerum Natura* the speaker functions as a satirist-we gain, I argue, a fuller, richer understanding of how the poem works and how its poetry interacts with its purported philosophical program. Attention to the role of *De Rerum Natura* in the more specific tradition of Roman verse satire demonstrates that Lucretius' poem stands as a detour on the genre's highway, a swerve in the trajectory of *satura*. The numerous satiric passages and frequently satiric narrator of *De Rerum Natura* draw on earlier Roman satire, and in turn the poem influences the later satiric verse of Horace, Persius, and Juvenal. While *De Rerum Natura* is not in and of itself a member of the Roman genre of

satire, it is an important player in the genre's development"--
Myth and Symbol I - Synnøve Des Bouvrie 2002

Think Again - Peter Hallward 2004-05-01

Slavoj Š Žižek is not alone in thinking that Alain Badiou's recent work is "the event of contemporary philosophy." *Think Again*, the first publication of its kind, goes a long way towards justifying his assessment. Badiou is nothing if not polemical and the most suitable way to approach his philosophy is precisely through the controversies it creates. This book, which opens with an introduction aimed at readers new to Badiou's work, presents a range of essays which explore Badiou's most contentious claims in the fields of ontology, politics, ethics and aesthetics. Alain Badiou has devised perhaps the only truly inventive philosophy of the subject since Sartre. Almost alone among his peers, Badiou's work promises a genuine renewal of philosophy, a subject he sees as conditioned by innovation in spheres ranging from radical politics to artistic experimentation to mathematical formalization. Slavoj Š Žižek is not alone in thinking that Alain Badiou's recent work is "the event of contemporary philosophy." *Think Again*, the first publication of its kind, goes a long way towards justifying his assessment. Badiou is nothing if not polemical and the most suitable way to approach his philosophy is precisely through the controversies it creates. This book, which opens with an introduction aimed at readers new to Badiou's work, presents a range of essays which explore Badiou's most contentious claims in the fields of ontology, politics, ethics and aesthetics.

History and Drama - Joachim Küpper 2018-12-03

Aristotle's neat compartmentalization notwithstanding (Poetics, ch. 9), historians and playwrights have both been laying claim to representations of the past - arguably since Antiquity, but certainly since the Renaissance. At a time when narratology challenges historiographers to differentiate their "emplotments" (White) from literary inventions, this thirteen-essay collection takes a fresh look at the production of historico-political knowledge in literature and the intricacies of reality and fiction. Written by experts who teach in Germany, Austria, Russia, and the

United States, the articles provide a thorough interpretation of early modern drama (with a view to classical times and the 19th century) as an ideological platform that is as open to royal self-fashioning and soteriology as it is to travesty and subverting the means and ends of historical interpretation. The comparative analysis of metapoetic and historiosophic aspects also sheds light on drama as a transnational phenomenon, demonstrating the importance of the cultural net that links the multifaceted textual examples from France, Russia, England, Italy, and the Netherlands.

Diophantus of Alexandria - Sir Thomas Little Heath 1910

Six Septembers: Mathematics for the Humanist - Patrick Juola 2017
Scholars of all stripes are turning their attention to materials that

represent enormous opportunities for the future of humanistic inquiry. The purpose of this book is to impart the concepts that underlie the mathematics they are likely to encounter and to unfold the notation in a way that removes that particular barrier completely. This book is a primer for developing the skills to enable humanist scholars to address complicated technical material with confidence. This book, to put it plainly, is concerned with the things that the author of a technical article knows, but isn't saying. Like any field, mathematics operates under a regime of shared assumptions, and it is our purpose to elucidate some of those assumptions for the newcomer. The individual subjects we tackle are (in order): logic and proof, discrete mathematics, abstract algebra, probability and statistics, calculus, and differential equations.