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JORDAN SULLIVAN

A History of Algebraic and Differential Topology, 1900 - 1960 Springer Science & Business Media

In this feminist exploration of the erotics of the marketplace, Hegel's notion of property and Lacan's idea of the phallus serve parallel functions in creating the subjectivity necessary for self-actualization. Subjectivity requires intersubjective relationships mediated through a regime of possessing, enjoying, and exchanging an object of desire. For Hegel, this regime is property; for Lacan, it is sexuality, symbolized by the Phallus, which we conflate with the male organ and the female body. Property law, in Jeanne Schroeder's account, is implicitly figured by similar anatomical metaphors for that which men wish to possess and that which women try to be and enjoy. This is reflected in imagery taken from ancient Rome—the axe and bundle of sticks known as the Fasces, and the virgin priestess called the Vestal. Schroeder traces the persistence of phallic metaphors in modern jurisprudence. Rejecting the dominant schools of legal feminism, she reconceptualizes property—the legal relationship as well as its not necessarily material object—as a necessary moment in the human struggle for love and recognition. The Feminine, for Schroeder, is the radical negativity at the heart of both Lacan's split subject and Hegel's concept of freedom. Feminine emancipation and private property are, therefore, equally necessary conditions for the actualization of the free individual and the just society. Feminist scholars, social theorists, political scientists, philosophers, and

lawyers will find in Schroeder's analysis scintillating new perspectives on property theory and the feminine within the market and the law.

L'éducation nationale European Mathematical Society

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.

Livres hebdo Springer Science & Business Media

The edition for 1915 includes "'indésirables.' Liste des membres des colonies allemande et austro-hongroise, dont les noms figuraient dans les précédentes éditions, et dont les noms ont été supprimés dans le Tout-Paris 1915. Liste arrêtée au 25 février 1915."

The theory of numbers Springer Science & Business Media

This book represents the first multidisciplinary scientific work on a deep volcanic maar lake in comparison with other similar temperate lakes. The syntheses of the main characteristics of Lake Pavin are, for the first time, set in a firmer footing comparative approach, encompassing regional, national, European and international aquatic science contexts. It is a unique lake because of its permanently anoxic monimolimnion, and furthermore, because of its small surface area, its substantially low human influence, and by the fact that it does not have a river inflow. The book reflects the scientific research done on the general limnology, history, origin, volcanology and geological environment as well as on the geochemistry and biogeochemical cycles. Other chapters focus on the biology and microbial ecology whereas the sedimentology and paleolimnology are also given

attention. This volume will be of special interest to researchers and advanced students, primarily in the fields of limnology, biogeochemistry, and aquatic ecology.

Sliding Mode Control In Engineering U of Minnesota Press

This book is a well-informed and detailed analysis of the problems and development of algebraic topology, from Poincaré and Brouwer to Serre, Adams, and Thom. The author has examined each significant paper along this route and describes the steps and strategy of its proofs and its relation to other work. Previously, the history of the many technical developments of 20th-century mathematics had seemed to present insuperable obstacles to scholarship. This book demonstrates in the case of topology how these obstacles can be overcome, with enlightening results.... Within its chosen boundaries the coverage of this book is superb. Read it! —MathSciNet

Sturm-Liouville Theory Bayard Jeunesse

Avec pour objectif d'apprendre à raisonner dès le plus jeune âge, cet ouvrage de mathématiques destiné à des élèves en classe de Troisième est découpé en plusieurs chapitres constituant un ensemble cohérent et structuré. Il présente avec soin et précision des notions élémentaires et essentielles : Les définitions sont clairement explicitées, illustrées et triturées afin de faciliter leur appropriation. Les propositions et les théorèmes sont justifiés voire démontrés lorsque cela est possible. Les liens entre les différents chapitres sont indiqués afin de saisir la cohérence de l'ensemble. De nombreuses figures aident à la visualisation des notions et donc à la compréhension. Des exercices entièrement corrigés entraînent le lecteur au raisonnement mathématique en lui apportant le plaisir de la réflexion.

Life and Scientific Work of Peter Guthrie Tait HarperCollins UK

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.

The Vestal and the Fasces University of Michigan Press

Statistical implicative analysis is a data analysis method created by Régis Gras almost thirty years ago which has a significant impact on a variety of areas ranging from pedagogical and psychological research to data mining. Statistical implicative analysis (SIA) provides a framework for evaluating the strength of implications; such implications are formed through common knowledge acquisition techniques in any learning process, human or artificial. This new concept has developed into a unifying methodology, and has generated a powerful convergence of thought between mathematicians, statisticians, psychologists, specialists in pedagogy and last, but not least, computer scientists specialized in data mining. This volume collects significant research contributions of several rather distinct disciplines that benefit from SIA. Contributions range from psychological and pedagogical research, bioinformatics, knowledge management, and data mining.

Early Days in Complex Dynamics Springer

'Fascinating ... so enlightening that suddenly maths doesn't seem so fearsome as it once did' SIMON WINCHESTER From Aristotle to Ada Lovelace: a brief history of the mathematical ideas that have forever changed the world and the everyday people and pioneers behind them. The story of our best invention yet.

Lectures on the Theory of Functions Editions Ellipses

Since its publication, C.F. Gauss's *Disquisitiones Arithmeticae* (1801) has acquired an almost mythical reputation, standing as an ideal of exposition in notation, problems and methods; as a model of organisation and theory building; and as a source of mathematical inspiration. Eighteen authors - mathematicians, historians, philosophers - have collaborated in this volume to assess the impact of the *Disquisitiones*, in the two centuries since its publication.

Space, Time, Matter Springer Science & Business Media

Annales corrigées et commentées du CRPE des années 2021/2022/2023.

Livres de France Springer Science & Business Media

This book explores the various historical and cultural aspects of scientific, medical and technical exchanges that occurred between central Europe and Asia. A number of papers investigate the printing, gunpowder, guncasting, shipbuilding, metallurgical and drilling technologies while others deal with mapping techniques, the adoption of written calculation and mechanical clocks as well as the use of medical techniques such as pulse taking and electrotherapy. While human mobility played a significant role in the exchange of knowledge, translating European books into local languages helped the introduction of new knowledge in mathematical, physical and natural sciences from central Europe to its periphery and to the Middle East and Asian cultures. The book argues that the process of transmission of knowledge whether theoretical or practical was not a simple and one-way process from the donor to the receiver as it is often admitted, but a multi-dimensional and complex cultural process of selection and transformation where ancient scientific and local traditions and elements. The book explores the issue from a different geopolitical perspective, namely not focusing on a singular recipient and several points of distribution, namely the metropolitan centres of science, medicine, and technology, but on regions that are

both recipients and distributors and provides new perspectives based on newly investigated material for historical studies on the cross scientific exchanges between different parts of the world.

Science between Europe and Asia CRC Press

Cet ouvrage est une réédition numérique d'un livre paru au XXe siècle, désormais indisponible dans son format d'origine.

Lake Pavin Springer Science & Business Media

This is a collection of survey articles based on lectures presented at a colloquium and workshop in Geneva in 2003 to commemorate the 200th anniversary of the birth of Charles François Sturm. It aims at giving an overview of the development of Sturm-Liouville theory from its historical roots to present day research. It is the first time that such a comprehensive survey has been made available in compact form. The contributions come from internationally renowned experts and cover a wide range of developments of the theory. The book can therefore serve both as an introduction to Sturm-Liouville theory and as background for ongoing research. The volume is addressed to researchers in related areas, to advanced students and to those interested in the historical development of mathematics. The book will also be of interest to those involved in applications of the theory to diverse areas such as engineering, fluid dynamics and computational spectral analysis.

It All Adds Up: The Story of People and Mathematics Univ of California Press

"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"--

Dictionnaire universel des sciences ecclésiastiques FeniXX

Provides comprehensive coverage of the most recent developments in the theory of non-Archimedean pseudo-differential equations and its application to stochastics and mathematical physics--offering current methods of construction for stochastic processes in the field of p-adic numbers and related structures. Develops a new theory for parabolic equat

Dictionnaire universel des Sciences Ecclésiastiques, etc SAGE

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

The Postmodern Condition American Mathematical Soc.

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

Laughing Atoms, Laughing Matter Editions Ellipses

Katherine Johnson est l'une des femmes qu'on a surnommées les "calculatrices en jupe". Employée à la NASA, elle a réussi à surpasser les machines dans ses calculs et a eu un rôle déterminant dans l'envoi de fusées et d'hommes dans l'espace. Pourtant, dès son enfance, elle a dû se battre et s'imposer pour surmonter sa condition de femme noire dans un monde dirigé par des hommes blancs... Chapitre 1 : l'enfance de Katherine, déjà génie des mathématiques, dans le contexte de la ségrégation aux États-Unis. Chapitre 2 : ses études, ses talents de mathématicienne précoce, la rencontre avec son époux. Chapitre 3 : l'arrivée à la NASA, naissance de l'amitié avec Dorothy et Mary. Chapitre 4 : 1958, nouveau poste au sein d'une équipe de recherche masculine, elle parvient à s'imposer dans un monde d'hommes blancs. Chapitre 5 : dès 1961, trajectoire de lancement du 1er américain dans l'espace, son rôle déterminant pour Apollo 11 et l'engagement de toute une vie auprès de la NASA Épilogue : la rencontre avec Barack Obama, premier président noir, 50 ans après. Les pages documentaires portent sur : 1 : L'histoire des noirs américains 2 : Les mathématiques et les premiers ordinateurs dans la conquête spatiale 3 : la NASA, création, fonction et missions 4 : La conquête de l'espace, la concurrence entre URSS et USA dans la guerre froide et présentation des astronautes célèbres 5 : Le passage tardif à la postérité des "femmes de l'ombre" : le film, et l'avancée (ou non) des droits des noirs américains aujourd'hui.

The Mathematical Writings of Évariste Galois Springer Science & Business Media

The contemporary study of complex dynamics, which has flourished so much in recent years, is based largely upon work by G. Julia (1918) and P. Fatou (1919/20). The goal of this book is to analyze this work from an historical perspective and show in detail, how it grew out of a corpus regarding the iteration of complex analytic functions. This began with investigations by E. Schröder (1870/71) which he made, when he studied Newton's method. In the 1880's, Gabriel Koenigs fashioned this study into a rigorous body of work and, thereby, influenced a lot the subsequent development. But only, when Fatou and Julia applied set theory as well as Paul Montel's theory of normal families, it was possible to develop a global approach to the iteration of rational maps. This book shows, how this intriguing piece of modern mathematics became reality.