Culegere Analiza Matematica Costy Macovei Academia Edu

Why are we afraid of death? What is acceptance in the face of cancer? How do I decide whose advice to take? How to relax in the certainty of death? Ought we to tell someone when they are dying or not? Is the theory of reincarnation true? What is happening around the dying? How best to support a dying person? My young daughter is asking about death: what do I tell her? How can I celebrate death as you suggest? Osho responds to these questions and many others from those who find themselves inexplicably attracted to the subject, as well as from those who are facing imminent death and from their carers. He does not simply show how our fear of death is based on a misunderstanding of its nature; he also shows how dying is a tremendous opportunity for inner growth and how death is the most sacred of mysteries. Death is not an event but a process, and one that begins with birth. Each exhalation is a small death; each inhalation, a rebirth. When life is lived consciously and totally, death is not a catastrophe but a joyous climax.

Tin Oxide Materials: Synthesis, Properties, and Applications discusses the latest in metal oxides, an emerging area in electronic materials. As more is learned about this important materials system, more functionalities and applications have been revealed. This key reference on the topic covers important material that is ideal for materials scientists, materials engineers and materials chemists who have been introduced to metal oxides as a general category of materials, but want to take the next step and learn more about a specific material. Provides a complete resource on tin oxide materials systems, including in-depth discussions of properties, their synthesis, modelling methods, and applications Presents information on the well-investigated SnO2, but also includes discussions on its emerging stoichiometries, such as SnO and Sn3O4 Includes the most relevant applications in varistors, sensing devices, fuel cells, transistors, biological studies, and much more

This work takes us into the Darwin family's private world to tell the story of Charles and Emma Darwin's and their first daughter Annie, who died at the age of ten. When Annie was a baby, Darwin doted on her, but also watched her with his researches in mind, and thought about man's animal origins. As Annie grew into a lively child, Darwin worked secretly on his theory of evolution, but his ideas were just one part of the family's life amid the wealth and poverty of Victorian England. Randal Keynes, Darwin's great-great-grandson and the current guardian of Annie's box, conjures up a world in which great thinkers - including Carlyle, Babbage and George Eliot - were struggling with ideas that were to shake mankind to its core.

This volume presents the proceedings of the 3rd International Conference on Nanotechnologies and Biomedical Engineering which was held on September 23-26, 2015 in Chisinau, Republic of Moldova. ICNBME-2015 continues the series of International Conferences in the field of nanotechnologies and biomedical engineering. It aims at bringing together scientists and engineers dealing with fundamental and applied research for reporting on the latest theoretical developments and applications involved in the fields. Topics include Nanotechnologies and nanomaterials Plasmonics and metamaterials Bio-micro/nano technologies Biomaterials Biosensors and sensors systems Biomedical instrumentation Biomedical signal processing Biomedical imaging and image processing Molecular, cellular and tissue engineering Clinical engineering, health technology management and assessment; Health informatics, e-health and telemedicine Biomedical engineering education Nuclear and radiation safety and security Innovations and technology transfer

Differential-geometric methods are gaining increasing importance in the understanding of a wide range of fundamental natural phenomena. Very often, the starting point for such studies is a variational problem formulated for a convenient Lagrangian. From a formal point of view, a Lagrangian is a smooth real function defined on the total space of the tangent bundle to a manifold satisfying some regularity conditions. The main purpose of this book is to present: (a) an extensive discussion of the geometry of the total space of a vector bundle; (b) a detailed exposition of Lagrange geometry; and (c) a description of the most important applications. New methods are described for construction geometrical models for applications. The various chapters consider topics such as fibre and vector bundles, the Einstein equations, generalized Einstein--Yang--Mills equations, the geometry of the total space of a tangent bundle, Finsler and Lagrange spaces, relativistic geometrical optics, and the geometry of time-dependent Lagrangians. Prerequisites for using the book are a good foundation in general manifold theory and a general background in geometrical models in physics. For mathematical physicists and applied mathematicians interested in the theory and applications of differential-geometric methods.

The newest title in the Welcome to the Museum series turns its focus to the heavens and explores the wonders of space. Welcome to the museum that is always open to explore. Step inside the pages of this beautiful book to discover galleries of galactic matter, expertly curated to bring you the experience of a fascinating exhibition in the comfort of your own home. Planetarium features all aspects of space, from the sun and our solar system to the lives of stars, the Milky Way, and the universe beyond. With stunning artwork from Dinosaurium illustrator Chris Wormell and informative text by Raman Prinja, a professor of astrophysics at University College, London, Planetarium is the perfect gift for budding astronomers and armchair stargazers alike.

Written in the 1960s, TRUTH AND METHOD is Gadamer's magnum opus. Looking behind the self-consciousness of science, he discusses the tense relationship between truth and methodology. In examining the different experiences of truth, he aims to "present the hermeneutic phenomenon in its fullest extent.

"Functional neuroanatomy of the brain" gathers an immense material from different sources (books, papers, works of great neuroanatomists mentioned in the references etc.) and makes a precise and complete synthesis of the structure and functions of the brain, the most complex system in the universe. The book starts with the history of neuroscience, data and ideas referring to soul, mind and brain, the way they have been imagined and conceived by healers, witches and philosophers since old times. On the other hand the book aims at revealing some basic and recent data about mind and brain, making them accessible to students, doctors, psychologists, biologists and all those interested in this vast topic and research field - the brain - who are studying by themselves. The first volume of "Functional neuroanatomy of the brain" has eight chapters, as it follows: HISTORY OF THE BRAIN AND MIND, INTRODUCTION IN THE NERVOUS SYSTEM, MEDULLA OBLONGATA (OR BULB), PONS, MIDBRAIN, RETICULAR FORMATION, CEREBELLUM and DIENCEPHALON. The second part presents in nine chapters of detailed information: THE BASAL GANGLIA, LIMBIC LOBE AND LIMBIC SYSTEM, HIPPOCAMPAL FORMATION, AMYGDALA, OLFACTORY SYSTEM, GUSTATORY SYSTEM, FRONTAL LOBES, PARIETAL LOBE and TEMPORAL LOBES. At least the third part gathers essential information split in seven chapters: OCCIPITAL LOBE, WHITE MATTER OF CEREBRAL HEMISPHERE, CORPUS CALLOSUM, CEREBRAL CORTEX, VENTRICULAR SYSTEM AND MENINGES, CEREBRAL ASYMMETRY in nonhumans, THE NEURAL BASIS OF CONSCIOUSNESS. Even if this book is not written by a neuroanatomist, but it represents a textbook assembled by a genius of neurosurgery, with a huge professional experiences, Academician Professor Doctor Leon Danaila, who describes himself some reasons of this special work: "As a neurosurgeon who has performed over 40

000 surgeries on the central and peripheral nervous system during my 50 years of continuous neurosurgical activity, I can comprehend the structural and functional complexity of the brain. In order not to disturb the highly functional areas of the central nervous system, I was forced to get familiar with the details of the brain map, which, taking into consideration my experience, varies from individual to individual, and I can say that each person, healthy or sick, is unique. I have been an assiduous reader of many books and papers in order to have a better documentation in this area, but I could not find any manual or book to contain relatively complete and up-to-date information on the anatomy and physiology of the brain. The existing neuroanatomy textbooks are not thorough enough, in my opinion, as they do not explain the morphological and neurophysiological complexity of white and grey matter. To keep up with the vast literature in this research field, and with the investigations of the brain as a whole has been for me a real challenge or better said an impossible task, an unreachable goal. The clinical information has been of great help in understanding the basic scientific concepts and the way in which the central nervous system, especially the brain, operates and interacts in the presence of various internal and external harmful factors, or in abnormal, pathological situations. Publishing this book concurs with an enormous explosion of knowledge about the morphology and physiology of the central nervous system and its vast reciprocal connections and plasticity. Consequently, I found it hard to keep up with the multitude of works published during the past ten years about functional neuroimaging, neuropharmacology, computational modulation, rehabilitation methods, theories of thinking, of memory, attention, frontal functions, language etc., as well as the structures and the immense number of neural connections and columns that build them. I keep the doors open to corrections, additions and novelty and, why not, to reinterpretation. It's me who will do it or maybe others will do it better than I did."

This book is focused on recent advances in the development of thin films for photovoltaic applications, TiO2/WO3 bi-layers for applications with enhanced photo-catalytic properties, nanometer oxide and hydroxide films for anticorrosive coatings, surface passivation in chemical industries, micro- and nanoelectronics, trilayers of metglas and lead free piezoelectrics for magnetic field sensors, current sensors, spintronics, microwave and read/write devices. Diluted ferromagnetic alloy films are also considered for superconducting spintronics based on superconducting spin-valves. Thermal properties of segmented nanowires are analyzed with respect to thermoelectric applications. Recent advances in template production of nanocomposites are also reviewed with particular focus on technologies for template assisted formation of metal nanotubes. Some elements related to abrasive flow machining (AFM), specifically state of the art elements of technological systems and construction of equipment are presented. The book is written for researchers in materials science, nanotechnologies, PhD students and graduate student.

This book reviews a big window of opportunity for piezoelectric ceramics, such as new materials, material combinations, structures, damages and porosity effects. In addition, applications of sensors, actuators, transducers for ultrasonic imaging, positioning systems, energy harvesting, biomedical and microelectronic devices are described. The book consists of fourteen chapters. The genetic algorithm is used for identification of RLC parameters in the equivalent electrical circuit of piezoelectric transducers. Concept and development perspectives for piezoelectric energy harvesting are described. The characterization of principal properties and advantages of a novel device called ceramic-controlled piezoelectric with a Pt wire implant is included. Bio-compatibility studies between piezoelectric ceramic material and biological cell suspension are exposed. Thus, piezoelectric ceramics have been a very favorable solution as a consequence of its high energy density and the variety of fabrication techniques to obtain bulk or thin films devices. Finally, the readers will perceive a trend analysis and examine recent developments in different fields of applications of piezoelectric ceramics.

Third International Anthology on ParadoxismInfinite Study

This unique textbook explores practice-based research (PBR), using numerous practice examples to actively encourage and engage students and practitioners to embrace research as a meaningful support for their practice. Whilst evidence-based practice gives practitioners access to information about "universal" best practices, it does not prioritize practitioner-generated knowledge or promote new research-based interventions relevant to their own practice circumstances as PBR does. This book discusses the evolution of PBR as a distinct social work research approach, describes its principles and methods and presents a range of exemplars illustrating the application of PBR within different practice methods in different practice settings. The chapters cover: Identifying the research question in a PBR model Designing a study and identifying a methodology Sampling Literature reviews Gathering data Ethics Analyzing data and interpreting results Putting research into practice Viewing the practitioner as central to the research process, and research as a necessary component of practice, this invaluable book emphasizes the seamless integration of practice and research. It is about research in social work practice rather than research on social work practice. Each chapter includes an overview, an introduction, and a key concepts summary. Practice-Based Research in Social Work is a very accessible text suitable for social work students, particularly MSW students, and practitioners.

Pollution has been a developing problem for quite some time in the modern world, and it is no secret how these chemicals negatively affect the environment. With these contaminants penetrating the earth’s water supply, affecting weather patterns, and threatening human health, it is critical to study the interaction between commercially produced chemicals and the overall ecosystem. Understanding the nature of these pollutants, the extent in which they are harmful to humans, and quantifying the total risks are a necessity in protecting the future of our world. TheHandbook of Research on Emerging Developments and Environmental Impacts of Ecological Chemistry is an essential reference source that discusses the process of chemical contributions and their behavior within the environment. Featuring research on topics such as organic pollution, biochemical technology, and food quality assurance, this book is ideally designed for environmental professionals, researchers, scientists, graduate students, academicians, and policymakers seeking coverage on the main concerns, approaches, and solutions of ecological chemistry in the environment.

The use of high-end analytical software technologies, or data mining, can aid decision makers in extracting information and knowledge from their sometimes overwhelming store of data collected continuously in their organizations. The chapters in this collection, each written by noted practitioners and experts in various organizations, will provide you with ideas and measurements in this growing management concern."--BOOK JACKET.

Après avoir exploré plusieurs des lois de l'univers dans son précédent ouvrage, Isaac Plotain nous emmène à la découverte de deux voies de réalisation. Il raconte sa vie de chercheur dans la voie alchimique, comment il découvrit l'histoire secrète des Frères Aînés de la Rose Croix, comment des Frères Chevaliers d'Héliopolis le contactèrent et lui apportèrent une aide précieuse dans la réalisation de ses travaux. Il explique comment ses recherches le conduisirent à découvrir la voie du coeur, comment s'opère le processus physiologique qui permet d'atteindre le même état que celui des Maîtres Alchimistes du passé et prolonger durablement la vie. Il nous invite à mettre en application cette voie du coeur dans notre vie quotidienne, à élargir notre conscience et notre reconnaissance d'appartenir à la fraternité universelle... Du point de vue spirituel, la grande

majorité des aspirants sont encore des enfants ! En spiritualité, l'urgence des temps n'existe pas. Le seul raccourci possible demeure la voie du coeur, car celle-ci sait toujours trouver son juste rythme. (Père Nicolas Ambroise) Contactés par des êtres d'un autre plan, les membres du groupe AVALON reçoivent des informations qui leur permettent de découvrir une incroyable structure de l'univers et leur révèlent que le temps des contacts et des échanges entre les différents plans de l'univers est proche. Sciences secrètes est, dans une large mesure, un travail collectif effectué par l'ensemble des membres du Groupe AVALON qui, après avoir existé de façon informelle, s'est constitué sous forme d'organisme à buts non lucratifs. L'utilisation du « je » fut utilisée afin de donner à l'ouvrage une plus grande fluidité et une plus grande facilité de lecture. Dès les premières pages, vous y découvrirez les circonstances qui ont amené la constitution du Groupe AVALON.

Problems in Real Analysis: Advanced Calculus on the Real Axis features a comprehensive collection of challenging problems in mathematical analysis that aim to promote creative, non-standard techniques for solving problems. This self-contained text offers a host of new mathematical tools and strategies which develop a connection between analysis and other mathematical disciplines, such as physics and engineering. A broad view of mathematics is presented throughout; the text is excellent for the classroom or self-study. It is intended for undergraduate and graduate students in mathematics, as well as for researchers engaged in the interplay between applied analysis, mathematical physics, and numerical analysis.

"This great Romanian writer's tenth novel - his first in English - is a Proustian feast of memory and experience centering on young Paul and his family, who live through World War Two in a remote Moldavian village that is swallowed by Stalin's Russia."--Jacket.

Japanese manga art has taken the world by storm. Master-manga artist Ben Krefta guides you through the essential features of this high-energy cartoon style, from drawing the characters' large sparkling eyes to creating dynamic action scenes. This book will help you: * Choose your materials * Construct proportions and poses * Create facial features and signature expressions * Design clothing, accessories and weapons * Use photoshop to enhance your artwork * Set up a story board * And more! With over 15 step-by-step drawing projects, tons of advice and full-color artwork to inspire you, The Art of Drawing Manga is perfect for anyone wanting to get started in this exciting and imaginative art form.

From the fall of the Berlin Wall to Kosovo, covering the unification of Germany, the break-up of the USSR & Yugoslavia, as well as the "velvet divorce" of Czechoslovakia, these last ten years have seen great upheavals in our continent, on a scale probably unparalleled since the fall of the Roman empire. The Council of Europe has played a special role in all of this, as the structure best qualified to welcome the new European democracies, & its membership has soared from 23 to 41 (including 17 central & east European countries) between 1990 & 1999. Truly "a decade which made history" -- & one which the reader is invited to retrace in these pages.

First English edition with commentary on one of Euripides' finest texts for 125 years, comprising two volumes sold together as a set (Volume 1: Introduction, Text and Translation; Volume 2: Commentary and Indexes).

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Focusing on the manipulation and representation of geometrical objects, this book explores the application of geometry to computer graphics and computer-aided design (CAD). Over 300 exercises are included, some new to this edition, and many of which encourage the reader to implement the techniques and algorithms discussed through the use of a computer package with graphing and computer algebra capabilities. A dedicated website also offers further resources and useful links.

The top left hand side of the keyboard reads "Q-W-E-R-T-Y." Is this inefficient layout an inefficient early development to which we are now forever committed? The "economics of QWERTY" describes cases in which it has been claimed that technologies which have become accepted are not as good as rival technologies. Perhaps they have been "locked in" at an early stage, preventing newer, better possibilities from taking hold. Distinguished economists Stan Liebowitz and Steven Margolis have critically examined the various aspects of the economics of QWERTY and its implications, calling into question the historical accuracy of the standard account of QWERTY and similar cases such as those of Beta/VHS and Macintosh/Windows. They contend that no plausible case of inferior standards being locked in has ever been documented, though much antitrust activity and legislative policy has been based on the belief in the occurrence of such cases. The Economics of Qwerty brings together into one volume Liebowitz and Margolis's essential contributions, remarkable for their eloquence and relevance, to consider these issues, which are of real and enduring importance for the functioning of the market economy. Together they constitute a complete account of the critique of the economics of QWERTY.

Geometric Function Theory is that part of Complex Analysis which covers the theory of conformal and quasiconformal mappings. Beginning with the classical Riemann mapping theorem, there is a lot of existence theorems for canonical conformal mappings. On the other side there is an extensive theory of qualitative properties of conformal and quasiconformal mappings, concerning mainly a prior estimates, so called distortion theorems (including the Bieberbach conjecture with the proof of the Branges). Here a starting point was the classical Scharz lemma, and then Koebe's distortion theorem. There are several connections to mathematical physics, because of the relations to potential theory (in the plane). The Handbook of Geometric Function Theory contains also an article about constructive methods and further a Bibliography including applications eg: to electroxtatic problems, heat conduction, potential flows (in the plane). · A collection of independent survey articles in the field of GeometricFunction Theory · Existence theorems and qualitative properties of conformal and quasiconformal mappings · A bibliography, including many hints to applications in electrostatics, heat conduction, potential flows (in

the plane).
This volume of Advances in Evolution Equations is dedicated to the memory of Professor Vasilii Vasilievich Zhikov, an outstanding Russian mathematician. Zhikov's scientific interest ranged from almost periodic differential equations and topological dynamics to spectral theory of elliptic operators, qualitative theory of parabolic equations, calculus of variations, homogenization, and hydrodynamics, to name a few. Many of his results are now classical.
Renowned academics compare major features of imperial rule in the 19th century, reflecting a significant shift away from nationalism and toward empires in the studies of state building. The book responds to the current interest in multi-unit formations, such as the European Union and the expanded outreach of the United States. National historical narratives have systematically marginalized imperial dimensions, yet empires play an important role. This book examines the methods discerned in the creation of the Habsburg Monarchy, the Ottoman Empire, the Hohenzollern rule and Imperial Russia. It inspects the respective imperial elites in these empires, and it details the role of nations, religions and ideologies in the legitimacy of empire building, bringing the Spanish Empire into the analysis. The final part of the book focuses on modern empires, such as the German "Reich." The essays suggest that empires were more adaptive and resilient to change than is commonly thought.
Ranked Set Sampling is one of the new areas of study in this region of the world and is a growing subject of research. Recently, researchers have paid attention to the development of the types of sampling; though it was not welcome in the beginning, it has numerous advantages over the classical sampling techniques. Ranked Set Sampling is doubly random and can be used in any survey designs. The Pakistan Journal of Statistics had attracted statisticians and samplers around the world to write up aspects of Ranked Set Sampling. All of the essays in this book have been reviewed by many critics. This volume can be used as a reference book for postgraduate students in economics, social sciences, medical and biological sciences, and statistics. The subject is still a hot topic for MPhil and PhD students for their dissertations.