

## Encyclopaedia Mathematics 348423

**Analysis of Economic Time Series: A Synthesis** integrates several topics in economic time-series analysis, including the formulation and estimation of distributed-lag models of dynamic economic behavior; the application of spectral analysis in the study of the behavior of economic time series; and unobserved-components models for economic time series and the closely related problem of seasonal adjustment. Comprised of 14 chapters, this volume begins with a historical background on the use of unobserved components in the analysis of economic time series, followed by an Introduction to the theory of stationary time series. Subsequent chapters focus on the spectral representation and its estimation; formulation of distributed-lag models; elements of the theory of prediction and extraction; and formulation of unobserved-components models and canonical forms. Seasonal adjustment techniques and multivariate mixed moving-average autoregressive time-series models are also considered. Finally, a time-series model of the U.S. cattle industry is presented. This monograph will be of value to mathematicians, economists, and those interested in economic theory, econometrics, and mathematical economics.

No evidence of Harry Wood collection.

**This Book Attempts To Deal With All The Important Aspects Of Taxation From The Earliest Times In India Upto The Gupta Period.** Besides, It Aims To Present A Comparative Study Of The Principles And Tenets Of Ancient Indian Tax System And The Modern Fiscal Developments.

This anthology is the first book to give a balanced overview of the competing theories of degrees of belief. It also explicitly relates these debates to more traditional concerns of the philosophy of language and mind and epistemic logic. Magic and witchcraft have been believed in, and practised, from ancient times through to the present day, frequently as an expected companion to the official religion. It is, however, important not to fall into the trap of thinking of these beliefs as being a monolithic set of tenets and practises. The aim of this book is to provide students with insight into the way in which people in the early modern period framed their ideas about the 'Creator' and the created universe in terms of magic. This mental framework informed and moulded theology, philosophy, the law, medicine, and the sciences, as well as offering everyone practical help to cope with and find solutions to the multifarious problems of their everyday lives. A study of witchcraft, (which was simply a particular manifestation of this mental world) therefore helps to illustrate many of the key concepts which governed both defenders and, later, opponents of the magical Zeitgeist. Maxwell-Stuart creates a lively overview of the subject from medieval attitudes to witches, through the details of two influential treatises, to the effect of the Reformation on attitudes to witchcraft, and the influence of Calvin, Luther and James VI of Scotland. Recent scholarship on witchcraft in Scandinavia, Iceland, Russia, Hungary, Poland and the New World enriches the text.

The *Witchcraft Reader* offers a wide range of historical perspectives on the subject of witchcraft in a single, accessible volume, exploring the enduring hold that it has on human imagination. The witch trials of the late Middle Ages and the sixteenth and seventeenth centuries have inspired a huge and expanding scholarly literature, as well as an outpouring of popular representations. This fully revised and enlarged third edition brings together many of the best and most important works in the field. It explores the origins of witchcraft prosecutions in learned and popular culture, fears of an imaginary witch cult, the role of religious division and ideas about the Devil, the gendering of suspects, the making of confessions and the decline of witch beliefs. An expanded final section explores the various "revivals" and images of witchcraft that continue to flourish in contemporary Western culture. Equipped with an extensive introduction that foregrounds significant debates and themes in the study of witchcraft, providing the extracts with a critical context, *The Witchcraft Reader* is essential reading for anyone with an interest in this fascinating subject.

A reprint of the classic text, this book popularized compact modeling of electronic and semiconductor devices and components for college and graduate-school classrooms, and manufacturing engineering, over a decade ago. The first comprehensive book on MOS transistor compact modeling, it was the most cited among similar books in the area and remains the most frequently cited today. The coverage is device-physics based and continues to be relevant to the latest advances in MOS transistor modeling. This is also the only book that discusses in detail how to measure device model parameters required for circuit simulations. The book deals with the MOS Field Effect Transistor (MOSFET) models that are derived from basic semiconductor theory. Various models are developed, ranging from simple to more sophisticated models that take into account new physical effects observed in submicron transistors used in today's (1993) MOS VLSI technology. The assumptions used to arrive at the models are emphasized so that the accuracy of the models in describing the device characteristics are clearly understood. Due to the importance of designing reliable circuits, device reliability models are also covered. Understanding these models is essential when designing circuits for state-of-the-art MOS ICs.

The last two decades have seen a spectacular increase of interest for inorganic scintillators.

This has been to a large part a consequence of the visibility given to this field by several large crystal-based detectors in particle physics. To answer the very challenging requirements for these experiments (huge data rates, linearity of response over a large dynamic range, harsh radiation environment, impressive crystal quantities to be produced in a short time period and a reasonable cost, etc. . . ) a lot of coordination was needed. Several groups of experts working in different aspects of material science have combined their efforts in international and multidisciplinary collaborations to better understand the fundamental mechanisms underlying the scintillation process and its efficiency.

Similarly, the stability of the scintillation properties and the role of color centers has been extensively studied to develop radiation hard scintillators. Dedicated conferences on inorganic scintillators have seen an increasing participation from different communities of users outside the domain of high-energy physics. This includes nuclear physics, astrophysics, security systems, industrial applications, and medical imaging. This last - main in particular is growing very fast since a few years

at the point that the volume of scintillating crystals to be produced for positron emission tomography (PET) is going to exceed the one for high-energy physics. As more and more crystal producers are also attending these conferences, a very fruitful synergy was progressively built up among scientific experts, technologists, and end users. This aspect of a multidisciplinary collaboration is essential to help people design and build detectors of ever-increasing performance through the choice, optimization or development of the best scintillator, and a thorough investigation of the technologies to produce the crystals of the highest quality.

During the last ten to fifteen years, researchers have made considerable progress in the study of inorganic scintillators. New scintillation materials have been investigated, novel scintillation mechanisms have been discovered, and additional scintillator applications have appeared. Demand continues for new and improved scintillation materials for a variety of applications including nuclear and high energy physics, astrophysics, medical imaging, geophysical exploration, radiation detection, and many other fields. However, until now there have been no books available that address in detail the complex scintillation processes associated with these new developments. Now, a world leader in the theory and applications of scintillation processes integrates the latest scientific advances of scintillation into a new work, *Physical Processes in Inorganic Scintillators*. Written by distinguished researcher Piotr Rodnyi, this volume explores this challenging subject, explains the complexities of scintillation from a modern point of view, and illuminates the way to the development of better scintillation materials. This unique work first defines the fundamental physical processes underlying scintillation and governing the primary scintillation characteristics of light output, decay time, emission spectrum, and radiation hardness. The book then discusses the complicated mechanisms of energy conversion and transformation in inorganic scintillators. The section on the role of defects in energy transfer and scintillation efficiency will be of special interest. Throughout, the author does not offer complicated derivations of equations but, instead, presents useful equations with practical results.

Investigates the endangerment of languages and the loss of traditional cultural diversity, and how to respond.

An expanded edition of the indispensable reference book includes alphabetized entries, synonyms grouped by meaning, illustrative examples, and same-page groupings of synonyms, idioms, and more

The first edition of this popular reference work was published in 1993 and received critical acclaim for its achievement in bringing together international perspectives on research and development in giftedness and talent. Scholars welcomed it as the first comprehensive volume in the field and it has proved to be an indispensable resource to researchers. Since the first edition, the scholarly field of giftedness and talent studies has expanded and developed, welcoming contributions from researchers in related disciplines. Several theoretical frameworks outlined in the first edition have now been empirically tested and a number of new trends have emerged. The Second Edition of the *International Handbook of Giftedness and Talent* provides an invaluable research tool to academics, researchers and students interested in the field of giftedness and talent. The contributors are renowned in the field and the broad range of topics on giftedness that have been studied in the past century, right up to the late 1990s, are represented in this volume. It is truly international in scope, bringing together leading scholars and teachers from all around the world. This new edition has been fully updated and rewritten and includes 22 completely new chapters. It provides a comprehensive review and critical synthesis of significant theory; a unique cross-national perspective with contributions from over 100 distinguished authors covering 24 nations; significant contributions from scholars working in related fields; an increased focus on empirically supported scholarship; and is arranged for quick and easy reference with comprehensive subject and author indexes.

In this new edition the author has added substantial material on Bayesian analysis, including lengthy new sections on such important topics as empirical and hierarchical Bayes analysis, Bayesian calculation, Bayesian communication, and group decision making. With these changes, the book can be used as a self-contained introduction to Bayesian analysis. In addition, much of the decision-theoretic portion of the text was updated, including new sections covering such modern topics as minimax multivariate (Stein) estimation.

This lively and stimulating book looks at some of the myths and realities surrounding Britain's legendary enthusiasm for sport; and aims to chronicle how sporting traditions were shaped and how they, in turn, contributed to the shaping of British social conventions and attitudes.

500,000 synonyms yield over 1,000,000 word choices. Unique concept index for fastest access to scores of new choices.

On congregational care, religious education, theological education, clinical pastoral education and church consultation.

*Human Interaction with the Divine, the Sacred, and the Deceased* brings together cutting-edge empirical and theoretical contributions from scholars in fields including psychology, theology, ethics, neuroscience, medicine, and philosophy, to examine how and why humans engage in, or even seek spiritual experiences and connection with the immaterial world. In this richly interdisciplinary volume, Plante and Schwartz recognize human interaction with the divine and departed as a cross-cultural and historical universal that continues to concern diverse disciplines. Accounting for variances in belief and human perception and use, the book is divided into four major sections: personal experience; theological consideration; medical, technological, and scientific considerations; and psychological considerations with chapters addressing phenomena including prayer, reincarnation, sensed presence, and divine revelations. Featuring scholars specializing in theology, psychology, medicine, neuroscience, and ethics, this book provides a thoughtful, compelling, evidence-based, and contemporary approach to gain a grounded perspective on current understandings of human interaction with the divine, the sacred, and the deceased. Of interest to believers, questioners, and unbelievers alike, this volume will be key reading for researchers, scholars, and academics engaged in the fields of religion and psychology, social psychology, behavioral neuroscience, and health psychology. Readers with a broader interest in spiritualism, religious and non-religious movements will also find the text of interest.

Exploring the diversity of American religions, this work examines the vast range of faiths, practices, figures and doctrines. From abortion and school prayer to capital punishment and astrology, these volumes cover culture, politics, legal issues and social movements.

*Metaphors of Mind* seeks to help readers understand human intelligence as viewed from a variety of standpoints, such as those of psychology, anthropology, computational science, sociology, and philosophy. Much of the present confusion surrounding the concept of intelligence stems from our having looked at it from these different standpoints without considering how they relate to each other or how they might be combined into a unified view that goes beyond the boundaries of a particular discipline. Readers of *Metaphors of Mind* will come away with a comprehensive understanding of the concept of intelligence and how ideas about it have evolved and are continuing to evolve.

This book gives a detailed yet clear insight into the current state of the art of the therapeutic application of bacteriophages in different conditions. The authors bring in their practical expertise within their respective fields of expertise and provide an excellent overview of the potential and actual use of phage therapy. Topics like economic feasibility compared to traditional antibiotics and also regulatory issues are discussed in far detail. This new volume is therefore a valuable resource for individuals engaged in the medical application of novel phage therapies.

"In this book, the first in English about Nasir al-Din Shah, Abbas Amanat gives us both a biography of the man and an analysis of the institution of monarchy in modern Iran. Amanat poses a fundamental question: how did monarchy, the center-piece of an ancient political order, withstand and adjust to the challenges of modern times, both at home and abroad? Nasir al-Din Shah's life and career, his upbringing and personality, and his political conduct provide remarkable material for answering this question.

Written in a tutorial form, the text supplies in-depth the physics, design, and fabrication technology for power devices. Each chapter includes a discussion of the basic concepts of device operation and their electrical characteristics, a detailed analysis of the device physics, and the technology of fabrication. Extensive analytical solutions are used to enable the reader to obtain an understanding of the physics.

Sonthonax was one of the most important leaders of the Haitian Revolution. Respected by few and hated by many, he died in his hometown of Oyonnax to which he had returned after evading the surveillance of Napoleon's police. After his death, this reputation scarcely changed; he has been rarely remembered and then unkindly. It is time, according to the author of this volume, to render justice to him.

The topic of this monograph is the physical modeling of heterostructure devices. A detailed discussion of physical models and parameters for compound semiconductors is presented including the relevant aspects of modern submicron heterostructure devices. More than 25 simulation examples for different types of Si(Ge)-based, GaAs-based, InP-based, and GaN-based heterostructure bipolar transistors (HBTs) and high electron mobility transistors (HEMTs) are given in comparison with experimental data from state-of-the-art devices.

Offers detailed guidance in presenting literature to children, young adults, and adults through storytelling supported by the use of various media.

Select chapters from the controversial 4-volume set examining the influence of sacred texts shaping human nature, society, politics and military strategy across the last 3,000 years.

Contributors from 18 nations give this text a cross-national perspective. It is designed as a synthesis and critical review of significant theory and research on all aspects of giftedness, both to help frame more valid research questions and to provide guidance for educational policy and practice.

Sports development has become a prominent concern within both the academic study of sport and within the organization and administration of sport. The Routledge Handbook of Sports Development is the first book to comprehensively map the wide-ranging territory of sports development as an activity and as a policy field, and to offer a definitive survey of current academic knowledge and professional practice. Spanning the whole spectrum of activity in sports development, from youth sport and mass participation to the development of elite athletes, the book identifies and defines the core functions of sports development, exploring the interface between sports development and cognate fields such as education, coaching, community welfare and policy. The book presents important new studies of sports development around the world, illustrating the breadth of practice within and between countries, and examines the most important issues facing practitioners within sports development today, from child protection to partnership working. With unparalleled depth and breadth of coverage, the Routledge Handbook of Sports Development is the definitive guide to policy, practice and research in sports development. It is essential reading for all students, researchers and professionals with an interest in this important and rapidly evolving field.

The Blackwell Companion to Sociology of Religion is presented in three comprehensive parts. Written by a range of outstanding academics, the volume explores the current status of the sociology of religion, and how it might look in future. Explores the current status of the sociology of religion, and how it might look at the beginning of the next millennium. Traces the boundaries between sociology and other closely related disciplines, such as theology and social anthropology. Edited by one of the best known and most widely respected sociologists of religion Accessibly presented in three comprehensive parts.

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