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#### METHODS OF SEAWATER ANALYSIS

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*John Wiley & Sons* Since the book first appeared in 1976, *Methods of Seawater Analysis* has found widespread acceptance as a reliable and detailed source of information. Its second extended and revised edition published in 1983 reflected the rapid pace of instrumental and methodological evolution in the preceding years. The development has lost nothing of its momentum, and many methods and procedures still suffering their teething troubles then have now matured into dependable tools for the analyst. This is especially evident for trace and ultra-trace analyses of organic and inorganic seawater constituents which have diversified considerably and now require more space for their description than before. Methods to determine volatile halocarbons, dimethyl sulphide, photosynthetic pigments and natural radioactive tracers have been added as well as applications of X-ray fluorescence spectroscopy and various electrochemical methods for trace metal analysis. Another method not previously described deals with the determination of the partial pressure of carbon dioxide as part of standardised procedures to describe the marine CO<sub>2</sub> system.

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#### BURDEN OF DISEASE FROM ENVIRONMENTAL NOISE

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#### QUANTIFICATION OF HEALTHY LIFE YEARS LOST IN EUROPE

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*World Health Organization* The health impacts of environmental noise are a growing concern. At least one million healthy life years are lost every year from traffic-related noise in the western part of Europe. This publication summarizes the evidence on the relationship between environmental noise and health effects, including cardiovascular disease, cognitive impairment, sleep disturbance, tinnitus, and annoyance. For each one, the environmental burden of disease methodology, based on exposure-response relationship, exposure distribution, background prevalence of disease and disability weights of the outcome, is applied to calculate the burden of disease in terms of disability-adjusted life-years. Data are still lacking for the rest of the WHO European Region. This publication provides policy-makers and their advisers with technical support in their quantitative risk assessment of environmental noise. International, national and local authorities can use the procedure for estimating burdens presented here to prioritize and plan environmental and public health policies.

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#### A CULTURAL HISTORY OF THE DISNEYLAND THEME PARKS

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#### MIDDLE CLASS KINGDOMS

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*Intellect Books* When the first Disneyland opened its doors in 1955, it reinvented the American amusement park and transformed the travel, tourism and entertainment industries forever. Now a global vacation empire, the original park in Anaheim, California, has been joined by massive complexes in Florida, Tokyo, Paris, Hong Kong and Shanghai. Spanning six decades, three continents and five distinct cultures, Sabrina Mittermeier presents an interdisciplinary examination of the parks, situating them in their proper historical context and exploring the distinct cultural, social and economic landscapes that defined each one at the time of its construction. She then spotlights the central role of class in the subsequent success or failure of each venture. The first comparative study of the Disney theme parks, this book closes a significant gap in existing research and is an important new contribution to the field, providing the first discussion of the Disney parks and what they reveal about the cultures they are

set in. There has been a lack of focus on cross- and trans-cultural analyses of theme parks generally and Disney theme parks specifically, until now. It is also particularly interesting – and will be welcomed for it – for the non-United States context of the study. This is a thorough examination of all of the existing Disney Parks and how they function within their respective cultures. While Disney themes and characters attempt to be universal, the author does a good job of arguing for where this is not possible and how glocalization is crucial to the parks' successes. The writing is academic, but it is not inaccessible. It will have wide disciplinary appeal within academia, as tourism studies cross into a variety of fields including history, American studies, fandom studies, performance studies and cultural studies. It will be invaluable to those working in the field of theme park scholarship and the study of Disney theme parks, theme parks in general and related areas like world's expositions and spaces of the consumer and lifestyle worlds. It will also be of interest to Disney fans, those who have visited any of the parks or are interested to know more about the parks and their cultural situation and context.

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## **ENTANGLED**

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### **AN ARCHAEOLOGY OF THE RELATIONSHIPS BETWEEN HUMANS AND THINGS**

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John Wiley & Sons A powerful and innovative argument that explores the complexity of the human relationship with material things, demonstrating how humans and societies are entrapped into the maintenance and sustaining of material worlds Argues that the interrelationship of humans and things is a defining characteristic of human history and culture Offers a nuanced argument that values the physical processes of things without succumbing to materialism Discusses historical and modern examples, using evolutionary theory to show how long-standing entanglements are irreversible and increase in scale and complexity over time Integrates aspects of a diverse array of contemporary theories in archaeology and related natural and biological sciences Provides a critical review of many of the key contemporary perspectives from materiality, material culture studies and phenomenology to evolutionary theory, behavioral archaeology, cognitive archaeology, human behavioral ecology, Actor Network Theory and complexity theory

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## **KNOWLEDGE, NETWORKS AND NATIONS**

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### **GLOBAL SCIENTIFIC COLLABORATION IN THE 21ST CENTURY**

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Surveys the global scientific landscape in 2011, noting the shift to an increasingly multipolar world underpinned by the rise of new scientific powers such as China, India and Brazil; as well as the emergence of scientific nations in the Middle East, South-East Asia and North Africa. The scientific world is also becoming more interconnected, with international collaboration on the rise.

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## **FROM PURITANISM TO POSTMODERNISM**

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### **A HISTORY OF AMERICAN LITERATURE**

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Routledge Widely acknowledged as a contemporary classic that has introduced thousands of readers to American literature, *From Puritanism to Postmodernism: A History of American Literature* brilliantly charts the fascinating story of American literature from the Puritan legacy to the advent of postmodernism. From realism and romanticism to modernism and postmodernism it examines and reflects on the work of a rich panoply of writers, including Poe, Melville, Fitzgerald, Pound, Wallace Stevens, Gwendolyn Brooks and Thomas Pynchon. Characterised throughout by a vibrant and engaging style it is a superb introduction to American literature, placing it thoughtfully in its rich social, ideological and historical context. A tour de force of both literary and historical writing, this Routledge Classics edition includes a new preface by co-author Richard Ruland, a new foreword by Linda Wagner-Martin and a fascinating interview with Richard Ruland, in which he reflects on the nature of American fiction and his collaboration with Malcolm Bradbury. It is published here for the first time.

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## **THE GLOBAL COMPETITIVENESS REPORT 2008-2009**

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World Economic Forum

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## **EUROREGIONS, EXCELLENCE AND INNOVATION ACROSS EU BORDERS**

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### **A CATALOGUE OF GOOD PRACTICES**

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## MARKETING FOR SUSTAINABLE TOURISM

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*MDPI* The aim of the Special Issue is to discuss the main current topics concerning marketing for sustainable tourism with reference to territories (i.e., tourism destinations, protected areas, parks and/or natural sites, UNESCO World Heritage Sites, rural regions/areas, etc.) and tourism enterprises and/or organisations (i.e., destination management organisations, hospitality enterprises, restaurant enterprises, cableway companies, travel agencies, etc.). In destinations where natural resources are pull factors for tourism development, the relationships among local actors (public, private, and local community), as well as marketing choices, are essential to develop sustainable tourism products. To this end, the Special Issue encourages papers that analyse marketing strategies adopted by tourism destinations and/or tourism enterprises to avoid overtourism, to manage mass sustainable tourism (as defined by Weaver, 2000), and to encourage and promote sustainable tourism in marginal areas or in territories suffering lack of integration in the tourism offer. Special attention will be given to contributions on the best practices to manage territories and/or enterprises adopting sustainable marketing strategies.

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## FRACTAL IMAGE COMPRESSION

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### THEORY AND APPLICATION

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*Springer Science & Business Media* One half of the book is authored by Yuval Fisher himself, while articles from another 12 experts in the field present material from different points of view. The focus here is solely on fractal image encoding, with the aim of providing a working code that is usable in applications, while containing the complete details of how to encode and decode images. An indispensable "how to" guide, combining the very latest results in the field. Of interest to a very wide audience, ranging from experts in image processing to high school students.

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## INTRODUCTION TO STATISTICS AND DATA ANALYSIS

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*Brooks/Cole* Roxy Peck, Chris Olsen and Jay Devore's new edition uses real data and attention-grabbing examples to introduce students to the study of statistical output and methods of data analysis. Based on the best-selling *STATISTICS: THE EXPLORATION AND ANALYSIS OF DATA*, Fifth Edition, this new *INTRODUCTION TO STATISTICS AND DATA ANALYSIS*, Second Edition integrates coverage of the graphing calculator and includes expanded coverage of probability. Traditional in structure yet modern in approach, this text guides students through an intuition-based learning process that stresses interpretation and communication of statistical information. Conceptual comprehension is cemented by the simplicity of notation--frequently substituting words for symbols. Simple notation helps students grasp concepts. Hands-on activities and Seeing Statistics applets in each chapter allow students to practice statistics firsthand.

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## BUILDING CONSTRUCTION HANDBOOK

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*Routledge* Ideal for students on all construction courses Topics presented concisely in plain language and with clear drawings Updated to include revisions to Building and Construction regulations The *Building Construction Handbook* is THE authoritative reference for all construction students and professionals. Its detailed drawings clearly illustrate the construction of building elements, and have been an invaluable guide for builders since 1988. The principles and processes of construction are explained with the concepts of design included where appropriate. Extensive coverage of building construction practice, techniques, and regulations representing both traditional procedures and modern developments are included to provide the most comprehensive and easy to understand guide to building construction. This new edition has been updated to reflect recent changes to the building regulations, as well as new material on the latest technologies used in domestic construction. *Building Construction Handbook* is the essential, easy-to-use resource for undergraduate and vocational students on a wide range of courses including NVQ and BTEC National, through to Higher National Certificate and Diploma, to Foundation and three-year Degree level. It is also a useful practical reference for building designers, contractors and others engaged in the construction industry.

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## THE CIVIL ENGINEERING HANDBOOK

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*CRC Press* First published in 1995, the award-winning *Civil Engineering Handbook* soon became known as the field's definitive reference. To retain its standing as a complete, authoritative resource, the editors have incorporated into this edition the many changes in techniques, tools, and materials that over the last seven years have found their way into civil engineering research and practice. The *Civil Engineering Handbook*, Second Edition is more comprehensive than ever. You'll find new, updated, and expanded coverage in every section. In fact, more than 1/3 of the handbook is new or substantially revised. In particular you'll find increased focus on computing reflecting the rapid advances in computer technology that has revolutionized many aspects of civil engineering. You'll use it as a survey of the field, you'll use it to explore a particular subject, but most of all you'll use *The Civil Engineering Handbook* to answer the problems, questions, and conundrums you encounter in practice.

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## **ENVIRONMENTAL BIOSENSORS**

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*BoD – Books on Demand* This book is a collection of contributions from leading specialists on the topic of biosensors for health, environment and biosecurity. It is divided into three sections with headings of current trends and developments; materials design and developments; and detection and monitoring. In the section on current trends and developments, topics such as biosensor applications for environmental and water monitoring, agro-industry applications, and trends in the detection of nerve agents and pesticides are discussed. The section on materials design and developments deals with topics on new materials for biosensor construction, polymer-based microsystems, silicon and silicon-related surfaces for biosensor applications, including hybrid film biosensor systems. Finally, in the detection and monitoring section, the specific topics covered deal with enzyme-based biosensors for phenol detection, ultra-sensitive fluorescence sensors, the determination of biochemical oxygen demand, and sensors for pharmaceutical and environmental analysis.

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## **WOLDMAN'S ENGINEERING ALLOYS**

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*ASM International* Annotation New edition of a reference that presents the values of properties typical for the most common alloy processing conditions, thus providing a starting point in the search for a suitable material that will allow, with proper use, all the necessary design limitations to be met (strength, toughness, corrosion resistance and electronic properties, etc.) The data is arranged alphabetically and contains information on the manufacturer, the properties of the alloy, and in some cases its use. The volume includes 32 tables that present such information as densities, chemical elements and symbols, physical constants, conversion factors, specification requirements, and compositions of various alloys and metals. Also contains a section on manufacturer listings with contact information. Edited by Frick, a professional engineering consultant. Annotation c. Book News, Inc., Portland, OR (booknews.com).

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## **BIBLE MYTHS AND THEIR PARALLELS IN OTHER RELIGIONS**

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**BEING A COMPARISON OF THE OLD AND NEW TESTAMENT MYTHS AND MIRACLES WITH THOSE OF HEATHEN NATIONS OF ANTIQUITY, CONSIDERING ALSO THEIR ORIGIN AND MEANING ...**

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## **THE ECONOMICS OF RECREATION, LEISURE AND TOURISM**

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*Routledge* One of the leading texts in the field, *The Economics of Recreation, Leisure and Tourism* is the ideal introduction to the fundamentals of economics in these industries, helping you to enjoy and pass an economics module as part of tourism, recreation, events or sport management degrees. International in its outlook, it will equip you with vital skills and knowledge for your future career as well as critical skills to help you understand and help tackle crucial challenges facing the world. It is written in a clear and engaging style that assumes no prior knowledge of economics. It applies economic theory to a range of tourism industry issues at the consumer, business, national and international level by using topical examples to give the theory real-world context. This book is richly illustrated with diagrams and contains a range of features such as international case studies showcasing current issues, review questions and extracts from journals to aid understanding and further knowledge, as well as new data and statistics. It concludes with a powerful critique of traditional economics and a set of twenty-one issues that demand action. This sixth edition has been revised and updated to include: recent and time series international economic data to provide a sense of the dynamics of world economies topical analysis to aid decision making for industry, governments and pressure groups a renewed emphasis on environmental and climate change issues new and revised international case studies that demonstrate theoretical principles of economics as applied to the sector a companion website with PowerPoint slides.

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## **AERODYNAMICS OF V/STOL FLIGHT**

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*Courier Corporation* An extremely practical overview of V/STOL (vertical/short takeoff and landing) aerodynamics, this volume offers a presentation of general theoretical and applied aerodynamic principles, covering propeller and helicopter rotor theory for both the static and forward flight cases. Both a text for students and a reference for professionals, the book can be used for advanced undergraduate or graduate courses. Numerous detailed figures, plus exercises. 1967 edition. Preface. Appendix. Index.

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## **FANS AND VENTILATION**

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### **A PRACTICAL GUIDE**

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*Elsevier* The practical reference book and guide to fans, ventilation and ancillary equipment with a comprehensive buyers' guide to worldwide manufacturers and suppliers. Bill Cory, well-known throughout

the fans and ventilation industry, has produced a comprehensive, practical reference with a broad scope: types of fans, how and why they work, ductwork, performance standards, testing, stressing, shafts and bearings. With advances in technology, manufacturers have had to continually improve the performance and efficiency of fans and ventilation systems; as a result, improvements that once seemed impossible have been achieved. Systems now range in all sizes, shapes, and weight, to match the ever increasing applications. An important reference in the wake of continuing harmonisation of standards throughout the European Union and the progression of National and International standards. The Handbook of Fans and Ventilation is a welcome aid to both mechanical and electrical engineers. This book will help you to... •Understand how and why fans work •Choose the appropriate fan for the right job, helping to save time and money •Learn installation, operational and maintenance techniques to keep your fans in perfect working order •Discover special fans for your unique requirements •Source the most appropriate equipment manufacturers for your individual needs Helps you select, install, operate and maintain the appropriate fan for your application, to help you save time and money Use as a reference tool, course-book, supplier guide or as a fan/ventilation selection system Contains a guide to manufacturers and suppliers of ventilation systems, organised according to their different styles and basic principles of operation

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### **SAXON MATH COURSE 3**

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Saxon Pub Saxon Math is easy to plan and rewarding to teach. The focus on providing teachers with strategies for developing an understanding of HOW and WHY math works builds a solid foundation for higher-level mathematics. - Publisher.

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### **MEMORY, IDENTITY AND COGNITION: EXPLORATIONS IN CULTURE AND COMMUNICATION**

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Springer The book analyses a variety of topics and current issues in linguistics and literary studies, focusing especially on such aspects as memory, identity and cognition. Firstly, it discusses the notion of memory and the idea of reimagining, as well as coming to terms with the past. Secondly, it studies the relationship between perception, cognition and language use. It then investigates a variety of practices of language users, language learners and translators, such as the use of borrowings from hip-hop and slang. The book is intended for researchers in the fields of linguistics and literary studies, lecturers teaching undergraduate and master's students on courses in language and literature.

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### **LOW BACK DISORDERS**

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### **EVIDENCE-BASED PREVENTION AND REHABILITATION**

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Human Kinetics This second edition of 'Low Back Disorders' provides research information on low back problems and shows readers how to interpret the data for clinical applications.

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### **INTRODUCTORY RAMAN SPECTROSCOPY**

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Academic Press Praise for Introductory Raman Spectroscopy Highlights basic theory, which is treated in an introductory fashion Presents state-of-the-art instrumentation Discusses new applications of Raman spectroscopy in industry and research

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### **ASAE-S**

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### **CHEMICAL THERMODYNAMICS OF URANIUM**

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Elsevier Science & Technology This volume provides a comprehensive overview on the chemical thermodynamics of those elements that are of particular importance in the safety assessment of radioactive waste disposal systems. This is the first volume in a series of critical reviews to be published on this subject. The book provides an extensive compilation of chemical thermodynamic data for uranium. A description of procedures for activity corrections and uncertainty estimates is given. A critical discussion of data needed for nuclear waste management assessments, including areas where significant gaps of knowledge exist is presented. A detailed inventory of chemical thermodynamic data for inorganic compounds and complexes of uranium is listed. Data and their uncertainty limits are recommended for 74 aqueous complexes and 199 solid and 31 gaseous compounds containing uranium, and on 52 aqueous and 17 solid auxiliary species containing no uranium. The data are internally consistent and compatible with the CODATA Key Values. The book contains a detailed discussion of procedures used for activity factor corrections in aqueous solution, as well as including methods for making uncertainty estimates.

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## **SURVEILLANCE AND YOUR RIGHT TO PRIVACY**

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*Cavendish Square Publishing, LLC Our constitution guarantees the right against unreasonable search and seizure, but where does the line get drawn in these days of high-tech surveillance? This book not only looks at the new methods for spying on citizens, but on the technological shortfalls that allow hackers to gain private information. It also presents the pros and cons between government security and government intrusion. How do we strike a balance between protecting citizens and giving up our freedoms? The legal and moral questions are evolving.*

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## **HUMAN ENHANCEMENT DRUGS**

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*Routledge Despite increasing interest in the use of human enhancement drugs (HEDs), our understanding of this phenomenon and the regulatory framework used to address it has lagged behind. Encompassing public health, epidemiology, neuroethics, sport science, criminology, and sociology, this book brings together a broad spectrum of scholarly insights and research expertise from leading authorities to examine key international issues in the field of HEDs. As "traditional" and other "new" drug markets have occupied much of the academic attention, there has been a lack of scholarly focus on human enhancement drugs. This book provides readers with a much-needed understanding of the illicit drug market of HEDs. The authors, from a variety of cultural contexts, disciplines and perspectives, include both academics and practitioners. Topics explored in this collection amongst others include: • The anti-doping industry and performance and image enhancing drugs • Steroids and gender • The use of cognitive enhancing drugs in academia • The use of sunless synthetic tanning products • The (online) trade of HEDs • Regulations of the enhancement drugs market This collection will serve as a reference for students, academics, practitioners, law enforcement and others working in this area to reflect on the current state of research and consider future priorities. This detailed exploration will provide a valuable knowledge base for those interested in human enhancement drugs, while also promoting critical discussion.*

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## **SÛRYA-SIDDHĀNTA**

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### **A TEXT-BOOK OF HINDU ASTRONOMY**

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*Motilal Banarsidass Publ. The oldest and most important treatise of the post-Christian period on Indian Astronomy that has come down to us is the Surya Siddhanta consisting 14 chapters written in slokas. Alberuni says that Lata was the author of this work. According to the introductory verses Surya the sun-god revealed it to Asura Maya in the city of Romaka.*

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## **MECHANICAL DESIGN**

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*Elsevier This book introduces the subject of total design, and introduces the design and selection of various common mechanical engineering components and machine elements. These provide "building blocks", with which the engineer can practice his or her art. The approach adopted for defining design follows that developed by the SEED (Sharing Experience in Engineering Design) programme where design is viewed as "the total activity necessary to provide a product or process to meet a market need." Within this framework the book concentrates on developing detailed mechanical design skills in the areas of bearings, shafts, gears, seals, belt and chain drives, clutches and brakes, springs and fasteners. Where standard components are available from manufacturers, the steps necessary for their specification and selection are developed. The framework used within the text has been to provide descriptive and illustrative information to introduce principles and individual components and to expose the reader to the detailed methods and calculations necessary to specify and design or select a component. To provide the reader with sufficient information to develop the necessary skills to repeat calculations and selection processes, detailed examples and worked solutions are supplied throughout the text. This book is principally a Year/Level 1 and 2 undergraduate text. Pre-requisite skills include some year one undergraduate mathematics, fluid mechanics and heat transfer, principles of materials, statics and dynamics. However, as the subjects are introduced in a descriptive and illustrative format and as full worked solutions are provided, it is possible for readers without this formal level of education to benefit from this book. The text is specifically aimed at automotive and mechanical engineering degree programmes and would be of value for modules in design, mechanical engineering design, design and manufacture, design studies, automotive power-train and transmission and tribology, as well as modules and project work incorporating a design element requiring knowledge about any of the content described. The aims and objectives described are achieved by a short introductory chapters on total design, mechanical engineering and machine elements followed by ten chapters on machine elements covering: bearings, shafts, gears, seals, chain and belt drives, clutches and brakes, springs, fasteners and miscellaneous mechanisms. Chapters 14 and 15 introduce casings and enclosures and sensors and actuators, key features of most forms of mechanical technology. The subject of tolerancing from a component to a process level is introduced in Chapter 16. The last chapter serves to present an integrated design using the detailed design aspects covered within the book. The design methods where appropriate are developed to national and international standards (e.g. ANSI, ASME, AGMA, BSI, DIN, ISO). The first edition of this text introduced a variety of machine elements as building blocks with which design of mechanical devices can be undertaken. The approach adopted of introducing and explaining the aspects of technology by means of text, photographs, diagrams and step-by-step procedures has been maintained. A number of important machine elements have been included in the new edition, fasteners, springs, sensors and actuators. They are included here. Chapters on total design, the scope of mechanical engineering and machine elements have been completely revised and updated. New chapters are included on casings and enclosures and miscellaneous mechanisms and*

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the final chapter has been rewritten to provide an integrated approach. Multiple worked examples and completed solutions are included.

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## **THE WOMEN'S ARMY CORPS, 1945-1978**

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[Lulu.com](http://Lulu.com)

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## **MATERIALS HANDBOOK**

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McGraw Hill Professional *The Materials Handbook is an encyclopedic, A-to-Z organization of all types of materials, featuring their key performance properties, principal characteristics and applications in product design. Materials include ferrous and nonferrous metals, plastics, elastomers, ceramics, woods, composites, chemicals, minerals, textiles, fuels, foodstuffs and natural plant and animal substances --more than 13,000 in all. Properties are expressed in both U.S. customary and metric units and a thorough index eases finding details on each and every material. Introduced in 1929 and often known simply as "Brady's," this comprehensive, one-volume, 1244 page encyclopedia of materials is intended for executives, managers, supervisors, engineers, and technicians, in engineering, manufacturing, marketing, purchasing and sales as well as educators and students. Of the dozens of families of materials updated in the 15th Edition, the most extensive additions pertain to adhesives, activated carbon, aluminides, aluminum alloys, catalysts, ceramics, composites, fullerenes, heat-transfer fluids, nanophase materials, nickel alloys, olefins, silicon nitride, stainless steels, thermoplastic elastomers, titanium alloys, tungsten alloys, valve alloys and welding and hard-facing alloys. Also widely updated are acrylics, brazing alloys, chelants, biodegradable plastics, molybdenum alloys, plastic alloys, recycle plastics, superalloys, supercritical fluids and tool steels. New classes of materials added include aliphatic polyketones, carburizing secondary-hardening steels and polyarylene ether benzimidazoles. Carcinogens and materials likely to be cancer-causing in humans are listed for the first time.*

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## **CATALOGUE OF RISKS**

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### **NATURAL, TECHNICAL, SOCIAL AND HEALTH RISKS**

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Springer Science & Business Media *Since the German edition of this book, the topic of risk has experienced even greater attention, not only in the world of science but also in other fields, such as economics and politics. Therefore, many new publications have evolved. To keep with the idea of an encyclopedia for the topic of risk, this book has been completely reworked. Not only are many updated examples included in chapter "Risks and disasters" but also new chapters have been introduced, such as the chapter "Indetermination and risk". This new chapter was developed since the question "Is it possible for risks to be completely eliminated, and if not why?" has become a major point of concern. Therefore, especially in this chapter, the focus of the book has - tended from a simple mathematical or engineering point of view to include much broader concepts. Here, not only aspects of system theory have to be considered, but also some general philosophical questions start to influence the considerations of the topic of risk. The main goal of this edition, however, is not only the extension and revision of the book, but also the translation into the English language to allow more readers access to the ideas of the book. The author deeply hopes that the success the book made in the German edition continues and that readers experience a major gain from reading the book.*

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## **NATURAL ZEOLITES**

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### **OCCURRENCE, PROPERTIES, APPLICATIONS**

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Walter de Gruyter GmbH & Co KG *Volume 45 of Reviews in Mineralogy and Geochemistry is a new and expanded update of Volume 4 from 1977. Most of the material in this volume is entirely new, and Natural Zeolites: Occurrence, Properties, Applications presents a fresh and expanded look at many of the subjects contained in Volume 4. There has been an explosion in our knowledge of the crystal chemistry and structures of natural zeolites (Chapters 1 and 2), due in part to the now-common Rietveld method that allows treatment of powder diffraction data. Studies on the geochemistry of natural zeolites have also greatly increased, partly as a result of the interests related to the disposal of radioactive wastes, and Chapters 3, 4, 5, 13, and 14 detail the latest results in this important area. Until the latter part of the 20th century, zeolites were often looked upon as a geological curiosity, but they are now known to be widespread throughout the world in sedimentary and igneous deposits and in soils (Chapters 6-12). The application of natural zeolites has greatly expanded since the first zeolite volume. Chapter 15 details the use of natural zeolites for removal of ammonium ions, heavy metals, radioactive cations, and organic molecules from natural waters, wastewaters, and soils. Similarly, Chapter 16 describes the use of natural zeolites as building blocks and cements in the building industry, Chapter 17 outlines their use in solar energy storage, heating, and cooling applications, and Chapter 18 describes their use in a variety of agricultural applications, including as soil conditioners, slow-release fertilizers, soil-less substrates, carriers for insecticides and pesticides, and remediation agents in contaminated soils.*

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## LITHIUM-ION BATTERIES

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### A MACHINE-GENERATED SUMMARY OF CURRENT RESEARCH

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*"This is the first machine-generated scientific book in chemistry published by Springer Nature. Serving as an innovative prototype defining the current status of the technology, it also provides an overview about the latest trends of lithium-ion batteries research. This book explores future ways of informing researchers and professionals. State-of-the-art computer algorithms were applied to: select relevant sources from Springer Nature publications, arrange these in a topical order, and provide succinct summaries of these articles. The result is a cross-corpora auto-summarization of current texts, organized by means of a similarity-based clustering routine in coherent chapters and sections. This book summarizes more than 150 research articles published from 2016 to 2018 and provides an informative and concise overview of recent research into anode and cathode materials as well as further aspects such as separators, polymer electrolytes, thermal behavior and modelling. With this prototype, Springer Nature has begun an innovative journey to explore the field of machine-generated content and to find answers to the manifold questions on this fascinating topic. Therefore it was intentionally decided not to manually polish or copy-edit any of the texts so as to highlight the current status and remaining boundaries of machine-generated content. Our goal is to initiate a broad discussion, together with the research community and domain experts, about the future opportunities, challenges and limitations of this technology."--Publisher's website.*

### COMPARATIVE ORIENTAL MANUSCRIPT STUDIES

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*Tredition GmbH The present volume is the main achievement of the Research Networking Programme 'Comparative Oriental Manuscript Studies', funded by the European Science Foundation in the years 2009-2014. It is the first attempt to introduce a wide audience to the entirety of the manuscript cultures of the Mediterranean East. The chapters reflect the state of the art in such fields as codicology, palaeography, textual criticism and text editing, cataloguing, and manuscript conservation as applied to a wide array of language traditions including Arabic, Armenian, Avestan, Caucasian Albanian, Christian Palestinian Aramaic, Coptic, Ethiopic, Georgian, Greek, Hebrew, Persian, Slavonic, Syriac, and Turkish. Seventy-seven scholars from twenty-one countries joined their efforts to produce the handbook. The resulting reference work can be recommended both to scholars and students of classical and oriental studies and to all those involved in manuscript research, digital humanities, and preservation of cultural heritage. The volume includes maps, illustrations, indexes, and an extensive bibliography.*

### CLINICAL MANAGEMENT OF STRABISMUS

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*Butterworth-Heinemann Medical Three highly-regarded strabismus experts provide a unique combination of theory and practice in this step-by-step approach to strabismus management. Clinically-oriented, this text offers problem-solving techniques, numerous case studies, and treatment flow charts to aid the reader in patient management. \* - Textbook on strabismus for students in optometry schools \* - Authored by three highly-regarded strabismus experts \* - A unique text combining theory with clinical focus.*

### STAR WARS AND THE HISTORY OF TRANSMEDIA STORYTELLING

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*Transmedia Star Wars has reached more than three generations of casual and hardcore fans alike, and as a result many of the producers of franchised Star Wars texts (films, television, comics, novels, games, and more) over the past four decades have been fans-turned-creators. Yet despite its dominant cultural and industrial positions, Star Wars has rarely been the topic of sustained critical work. Star Wars and the History of Transmedia Storytelling offers a corrective to this oversight by curating essays from a wide range of interdisciplinary scholars in order to bring Star Wars and its transmedia narratives more fully into the fold of media and cultural studies. The collection places Star Wars at the center of those studies' projects by examining video games, novels and novelizations, comics, advertising practices, television shows, franchising models, aesthetic and economic decisions, fandom and cultural responses, and other aspects of Star Wars and its world-building in their multiple contexts of production, distribution, and reception. In emphasizing that Star Wars is both a media franchise and a transmedia storyworld, Star Wars and the History of Transmedia Storytelling demonstrates the ways in which transmedia storytelling and the industrial logic of media franchising have developed in concert over the past four decades, as multinational corporations have become the central means for subsidizing, profiting from, and selling modes of immersive storyworlds to global audiences. By taking this dual approach, the book focuses on the interconnected nature of corporate production, fan consumption, and transmedia world-building. As such, this collection grapples with the historical, cultural, aesthetic, and political-economic implications of the relationship between media franchising and transmedia storytelling as they are seen at work in the world's most profitable transmedia franchise.*

### BUSINESS RESEARCH METHODS

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*Thomson South-Western This best-selling text continues in its eighth edition to provide the most current and comprehensive coverage of business research. Its student-friendly design contains numerous examples illustrating real-world research in management, marketing, finance, accounting, and other business areas. BUSINESS RESEARCH METHODS, 8E, International Edition is the ideal text for*

undergraduate and first year MBA courses in marketing, management, or quantitative studies.

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## **REFINEMENT CALCULUS**

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### **A SYSTEMATIC INTRODUCTION**

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Springer Much current research in computer science is concerned with two questions: is a program correct? And how can we improve a correct program preserving correctness? This latter question is known as the refinement of programs and the purpose of this book is to consider these questions in a formal setting. In fact, correctness turns out to be a special case of refinement and so the focus is on refinement. Although a reasonable background knowledge is assumed from mathematics and CS, the book is a self-contained introduction suitable for graduate students and researchers coming to this subject for the first time. There are numerous exercises provided of varying degrees of challenge.

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## **FUNDAMENTALS OF HEAT AND MASS TRANSFER**

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John Wiley & Sons This bestselling book in the field provides a complete introduction to the physical origins of heat and mass transfer. Noted for its crystal clear presentation and easy-to-follow problem solving methodology, Incropera and Dewitt's systematic approach to the first law develops reader confidence in using this essential tool for thermal analysis. Readers will learn the meaning of the terminology and physical principles of heat transfer as well as how to use requisite inputs for computing heat transfer rates and/or material temperatures.