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Helioseismology and Dynamics of the Solar Interior - M. J. Thompson 2017-03-08

The articles republished in this book survey and summarize recent research in helioseismology as well as studies of the interior structure, dynamics and magnetism of the solar interior that are being tested and refined using the helioseismic results. Helioseismology has in the last few decades become a highly productive technique for studying the Sun's interior from observations of the vibrations of its surface. The vibrations are manifestations of resonant modes of the Sun that are continuously excited by turbulent motions in the Sun's convection zone, and a plethora of data have been obtained from dedicated ground-based and space-based observing systems. The book will be of particular interest to researchers and graduate students in the fields of helioseismology, solar interior dynamics and the solar dynamo. It will also be of interest to researchers in solar physics, solar activity, stellar physics, astrophysical fluid dynamics and asteroseismology. Originally published in Space Science Reviews, Volume 196, Issue 1-4, December 2015

Harbors and High Seas - Dean King 2012-03-20

This companion for fans of the Napoleonic sea sagas offers maps of the novels' streets, seas, and coasts, and much more. The tall-masted sailing ships of the early nineteenth century were the technological miracles of their day, allowing their crews to traverse the seas with greater speed than had ever been possible before. Novelist Patrick O'Brian captured the thrill of that era with his characters Jack Aubrey and Stephen Maturin, who visited exotic locales in the service of the Royal Navy. From frigid Dieppe to balmy Batavia, they strolled the ports of the world as casually as most do the streets of their hometown. Packed with maps and illustrations from the greatest age of sail, this volume shows not just where Aubrey and Maturin went, but how they got there. An incomparable reference for devotees of O'Brian's novels and anyone who has dreamed of climbing aboard a warship, Harbors and High Seas is a captivating portrait of life on the sea, when nothing stood between man and ocean but grit, daring, and a few creaking planks of wood.

Hematopoietic Stem Cell Biology - Motonari Kondo 2009-12-04

In the summer of 1988, my developmental biology professor announced to the class that hematopoietic stem cells (HSCs) had finally been purified. Somehow, I never forgot the professor's words. When I started working in Dr. Irv Weissman's laboratory at Stanford as a postdoctoral fellow, I realized that the findings mentioned by the professor were from Weissman's laboratory and had been published in a 1988 edition of the journal Science. It has been over 20 years since the publication of that seminal paper, and since then tremendous advances in understanding the biology and maturation of HSCs, namely the process of hematopoiesis, which includes lymphocyte development, have been made. These discoveries were made possible in part by advancements in technology. For example, recent availability of user friendly fluorescence activated cell sorting (FACS) machines and monoclonal antibodies with a variety of fluorescent labels has allowed more scientists to sort and analyze rare populations in the bone marrow, such as HSCs. All classes of hematopoietic cells are derived from HSCs. Stem cell biology draws enormous attention not only from scientists, but also from ordinary people because of the tremendous potential for development of new therapeutic application to diseases that currently lack any type of effective therapy. Thus, this type of "regenerative medicine" is a relatively new and attractive field in both basic science and clinical medicine.

Guide to America's Federal Jobs - Bruce Maxwell 2005

Indexed for easy reference, this volume is a comprehensive guide to federal openings in the U.S. and the

world. It includes information for all agencies and departments, pay rates, and vital tips on creating a federal resume, applying online, interviewing for federal jobs and more.

Classical Dynamics of Particles and Systems - Jerry B. Marion 2013-10-22

Classical Dynamics of Particles and Systems presents a modern and reasonably complete account of the classical mechanics of particles, systems of particles, and rigid bodies for physics students at the advanced undergraduate level. The book aims to present a modern treatment of classical mechanical systems in such a way that the transition to the quantum theory of physics can be made with the least possible difficulty; to acquaint the student with new mathematical techniques and provide sufficient practice in solving problems; and to impart to the student some degree of sophistication in handling both the formalism of the theory and the operational technique of problem solving. Vector methods are developed in the first two chapters and are used throughout the book. Other chapters cover the fundamentals of Newtonian mechanics, the special theory of relativity, gravitational attraction and potentials, oscillatory motion, Lagrangian and Hamiltonian dynamics, central-force motion, two-particle collisions, and the wave equation.

Functional Morphology and Diversity - Les Watling 2012-12-14

Crustaceans are increasingly used as model organisms in all fields of biology, including neurobiology, developmental biology, animal physiology, evolutionary ecology, biogeography, and resource management. One reason for the increasing use of crustacean examples is the wide range of phenotypes found in this group and the diversity of environments they inhabit; few other taxa exhibit such a variety of body shapes and adaptations to particular habitats and environmental conditions. A good overview of their functional morphology is essential to understanding many aspects of their biology. This volume is the first in The Natural History of Crustacea series, a ten-volume series that will treat all aspects of crustacean biology, physiology, behavior, and evolution. The series updates and synthesizes a growing wealth of information on the natural history of this remarkable group. Functional Morphology and Diversity explores the functional morphology of crustaceans, which cover the main body parts and systems. The book brings together a group of internationally recognized and up-and-coming experts in fields related to systematics and morphology. Contributing authors study a range of crustacean taxa and topics, and thus the volume provides a compact overview of the great phenotypic diversity and their function found among crustaceans. The first broad treatment of Crustacea in decades, the book will be invaluable for researchers and students in this and related fields.

Math - 2003-06-06

Gace Media Specialist Secrets Study Guide - Gace Exam Secrets Test Prep Team 2014-03-31

Includes Practice Test Questions GACE Media Specialist Secrets helps you ace the Georgia Assessments for the Certification of Educators, without weeks and months of endless studying. Our comprehensive GACE Media Specialist Secrets study guide is written by our exam experts, who painstakingly researched every topic and concept that you need to know to ace your test. Our original research reveals specific weaknesses that you can exploit to increase your exam score more than you've ever imagined. GACE Media Specialist Secrets includes: The 5 Secret Keys to GACE Success: Time is Your Greatest Enemy, Guessing is Not Guesswork, Practice Smarter, Not Harder, Prepare, Don't Procrastinate, Test Yourself; A comprehensive General Strategy review including: Make Predictions, Answer the Question,

Benchmark, Valid Information, Avoid Fact Traps, Milk the Question, The Trap of Familiarity, Eliminate Answers, Tough Questions, Brainstorm, Read Carefully, Face Value, Prefixes, Hedge Phrases, Switchback Words, New Information, Time Management, Contextual Clues, Don't Panic, Pace Yourself, Answer Selection, Check Your Work, Beware of Directly Quoted Answers, Slang, Extreme Statements, Answer Choice Families, and much more...

Functional Analysis in Asymmetric Normed Spaces - Stefan Cobzas 2012-10-30

An asymmetric norm is a positive definite sublinear functional p on a real vector space X . The topology generated by the asymmetric norm p is translation invariant so that the addition is continuous, but the asymmetry of the norm implies that the multiplication by scalars is continuous only when restricted to non-negative entries in the first argument. The asymmetric dual of X , meaning the set of all real-valued upper semi-continuous linear functionals on X , is merely a convex cone in the vector space of all linear functionals on X . In spite of these differences, many results from classical functional analysis have their counterparts in the asymmetric case, by taking care of the interplay between the asymmetric norm p and its conjugate. Among the positive results one can mention: Hahn-Banach type theorems and separation results for convex sets, Krein-Milman type theorems, analogs of the fundamental principles - open mapping, closed graph and uniform boundedness theorems - an analog of the Schauder's theorem on the compactness of the conjugate mapping. Applications are given to best approximation problems and, as relevant examples, one considers normed lattices equipped with asymmetric norms and spaces of semi-Lipschitz functions on quasi-metric spaces. Since the basic topological tools come from quasi-metric spaces and quasi-uniform spaces, the first chapter of the book contains a detailed presentation of some basic results from the theory of these spaces. The focus is on results which are most used in functional analysis - completeness, compactness and Baire category - which drastically differ from those in metric or uniform spaces. The book is fairly self-contained, the prerequisites being the acquaintance with the basic results in topology and functional analysis, so it may be used for an introduction to the subject. Since new results, in the focus of current research, are also included, researchers in the area can use it as a reference text.

Historical Technology, Materials and Conservation - Nigel Meeks 2012

Papers from the 'SEM and microanalysis in the study of historical technology, materials and conservation' conference at the British Museum.

Handbook of Enology, Volume 1 - Pascal Ribéreau-Gayon 2006-05-01

The "Microbiology" volume of the new revised and updated Handbook of Enology focuses on the vinification process. It describes how yeasts work and how they can be influenced to achieve better results. It continues to look at the metabolism of lactic acid bacteria and of acetic acid bacteria, and again, how can they be treated to avoid disasters in the winemaking process and how to achieve optimal results. The last chapters in the book deal with the use of sulfur-dioxide, the grape and its maturation process, harvest and pre-fermentation treatment, and the basis of red, white and speciality wine making. The result is the ultimate text and reference on the science and technology of the vinification process: understanding and dealing with yeasts and bacteria involved in the transformation from grape to wine. A must for all serious students and practitioners involved in winemaking.

Halo 5 Guardians Game - Hse Strategies 2017-04-29

UNOFFICIAL GUIDE Do you want to dominate the game and your opponents? Do you struggle with making resources and cash? Do you want the best items? Would you like to know how to download and install the game? If so, we have got you covered. We will walk you through the game, provide professional strategies and tips, as well as all the secrets in the game. What You'll Discover Inside: - Professional Tips and Strategies. - Cheats and Hacks. - Secrets, Tips, Cheats, Unlockables, and Tricks Used By Pro Players! - Multiplayer Mode. - About the Campaign. - Surviving the Game. - Spartan Club. - PLUS MUCH MORE! So, what are you waiting for? Once you grab a copy of our guide, you'll be dominating the game in no time at all! Get your Pro tips now. Scroll to the top of the page and click add to cart to purchase instantly

How to Get Into Oxbridge - Christopher See 2012-05-03

With competition to get into Oxbridge now so fierce, this book goes beyond standard application technique to focus on long-term development of intellectual potential including insight into the power of positive decision-making; how to practise independent and critical thinking skills; and how you can develop extra-

curricular knowledge in genuine and impressive ways to stand out from the crowd. The book includes practical and insider knowledge that can't be found elsewhere - like how to strategically choose your college to boost your chances of admission, and how to interpret and respond to interview questions in a way that demonstrates your intellectual curiosity and academic potential. You'll find sample personal statements; examples of interview questions for all subjects; practical advice on fees and funding; and how to manage parents and peers. There is also a chapter dedicated to International Students.

Fundamentals of Neurophysiology - R.F. Schmidt 2012-12-06

The English edition of this book has been prepared from the third German edition published in December 1974. The first two German editions, published in 1971 and 1972, respectively, were very well received in Germany. We hope that this English version will enjoy a similar popularity by students wishing to understand the essential concepts relevant to the fascinating field of neurophysiology. The evolution of this book has been unique. The first edition was based on a series of lectures presented for many years to first-year physiology students at the Universities of Heidelberg and Mannheim. These lectures were converted into a series of 38 programmed texts, and after extensive testing, published as a programmed textbook of neurophysiology (Neurophysiologie programmiert, Springer-Verlag Heidelberg, 1971). Thereafter the present text was written and thoroughly brought up to date. Throughout this period all of the authors were members of the Department of Physiology in Heidelberg allowing for maximum cooperation at all stages of this endeavor. With regard to the English edition, I wish to express my appreciation to Mr. Derek Jordan and Mrs. Inge Jordan for translating this book, and to my colleagues Dr. Mark Rowe and Dr. Dean O. Smith for their valuable comments and suggestions on the English manuscript. I express my grateful thanks to the publishers, both in Heidelberg and New York, for their unfailing courtesy and for their extraordinary efficiency.

Geographical Information Systems in Hydrology - Vijay Singh 1996-09-30

The last few years have witnessed an enormous interest in application of GIS in hydrology and water resources. This is partly evidenced by organization of several national and international symposia or conferences under the sponsorship of various professional organizations. This increased interest is, in a large measure, in response to growing public sensitivity to environmental quality and management. The GIS technology has the ability to capture, store, manipulate, analyze, and visualize the diverse sets of geo-referenced data. On the other hand, hydrology is inherently spatial and distributed hydrologic models have large data requirements. The integration of hydrology and GIS is therefore quite natural. The integration involves three major components: (1) spatial data construction, (2) integration of spatial model layers, and (3) GIS and model interface. GIS can assist in design, calibration, modification and comparison of models. This integration is spreading worldwide and is expected to accelerate in the foreseeable future. Substantial opportunities exist in integration of GIS and hydrology. We believe there are enough challenges in use of GIS for conceptualizing and modeling complex hydrologic processes and for globalization of hydrology. The motivation for this book grew out of the desire to provide under one cover a range of applications of GIS technology in hydrology. It is hoped that the book will stimulate others to write more comprehensive texts on this subject of growing importance.

How I Made My First Million on the Internet and How You Can Too! - Ewen Chia 2009-01-01

Offers tips and strategies for building and developing a successful and profitable Internet-based business.

George Muller - George Muller 2017-06-18

Mr. Brooks, in this compilation, has endeavored to select those incidents and practical remarks from Mr. Muller's Narratives, that show in an unmistakable way, both to believers and unbelievers, the secret of believing prayer, the manifest hand of a living God, and His unfailing response, in His own time and way, to every petition which is according to His will. The careful perusal of these extracts will thus further the great object which Mr. Muller had in view, without the necessity of reading through the various details of his "Narratives," details which Mr. Muller felt bound to give when writing periodically the account of God's dealings with him. For those who have the opportunity, an examination of the "Autobiography of George Muller, or, a Million and a Half in Answer to Prayer" will richly repay the time spent upon it. Mr. Muller's permission for the compilation of this volume is shown in the following words: "If the extracts are given exactly as printed, and the punctuation exactly as in the book and in the connection in which the facts

stand, I have no objection." HOW TO ASCERTAIN THE WILL OF GOD I seek at the beginning to get my heart into such a state that it has no will of its own in regard to a given matter. Nine-tenths of the trouble with people generally is just here. Nine-tenths of the difficulties are overcome when our hearts are ready to do the Lord's will, whatever it may be. When one is truly in this state, it is usually but a little way to the knowledge of what His will is.2.-Having done this, I do not leave the result to feeling or simple impression. If so, I make myself liable to great delusions.3.-I seek the Will of the Spirit of God through, or in connection with, the Word of God. The Spirit and the Word must be combined. If I look to the Spirit alone without the Word, I lay myself open to great delusions also. If the Holy Ghost guides us at all, He will do it according to the Scriptures and never contrary to them.4.-Next I take into account providential circumstances. These often plainly indicate God's Will in connection with His Word and Spirit.5.-I ask God in prayer to reveal His Will to me aright.6.-Thus, through prayer to God, the study of the Word, and reflection, I come to a deliberate judgment according to the best of my ability and knowledge, and if my mind is thus at peace, and continues so after two or three more petitions, I proceed accordingly. In trivial matters, and in transactions involving most important issues, I have found this method always effective. GEORGE MÖLLER. ANSWERS TO PRAYER GET MORE BOOKS AT REVIVALPRESS.NET

Giving Places Meaning - Linda Groat 1995-01-01

Since its inception, the Journal of Environmental Psychology has demonstrated its pre-eminence through publishing original, innovative papers. By bringing them together in one volume, ready access has been provided to the first-hand accounts of a range of explorations that are central to the growth and development of environmental psychology itself. There is now an agreement amongst most environmental psychology researchers that particular locations within the environment do harbour rich significance for individuals and groups. There is a great deal of productive debate about the cognitive and affective processes that give rise to this significance, but it is clear that the significance of places can include both deep emotional attachment and more abstract aesthetic enjoyment. Psychologists have been rather reluctant to examine the content of personal meanings, except in the intensity of the therapeutic interview, leaving such explorations to literary critics. The present volume goes some way to redress that balance and show the value of tackling meaning head on, rather than through the lens of structure and form. This volume will therefore be of value beyond environmental psychology in showing the value of studying meanings in context and the ways in which they give our world significance.

Freud's Other Theory of Psychoanalysis - Ahmed Fayek 2013

Despite the persistence of the theoretical model of the cathartic theory in psychoanalysis, it is not what we practice clinically. Freud's Other Theory of Psychoanalysis deals with eliciting that other unarticulated theory from the Freudian text to replace the catharsis theory and open the theoretical impasse it created.

Heritage and Community Engagement - Emma Waterton 2013-09-13

This book is about the way that professionals in archaeology and in other sectors of heritage interact with a range of stakeholder groups, communities and the wider public. Whilst these issues have been researched and discussed over many years and in many geographical contexts, the debate seems to have settled into a comfortable stasis wherein it is assumed that all that can be done by way of engagement has been done and there is little left to achieve. In some cases, such engagement is built on legislation or codes of ethics and there can be little doubt that it is an important and significant aspect of heritage policy. This book is different, however, because it questions not so much the motivations of heritage professionals but the nature of the engagement itself, the extent to which this is collaborative or contested and the implications this has for the communities concerned. Furthermore, in exploring these issues in a variety of contexts around the world, it recognises that heritage provides a source of engagement within communities that is separate from professional discourse and can thus enable them to find voices of their own in the political processes that concern them and affect their development, identity and well-being. This book was published as a special issue of the International Journal of Heritage Studies.

Fuzzy Logic in Geology - Robert V. Demicco 2003-10-20

What is fuzzy logic?--a system of concepts and methods for exploring modes of reasoning that are approximate rather than exact. While the engineering community has appreciated the advances in understanding using fuzzy logic for quite some time, fuzzy logic's impact in non-engineering disciplines is

only now being recognized. The authors of Fuzzy Logic in Geology attend to this growing interest in the subject and introduce the use of fuzzy set theory in a style geoscientists can understand. This is followed by individual chapters on topics relevant to earth scientists: sediment modeling, fracture detection, reservoir characterization, clustering in geophysical data analysis, ground water movement, and time series analysis. George Klir is the Distinguished Professor of Systems Science and Director of the Center for Intelligent Systems, Fellow of the IEEE and IFSA, editor of nine volumes, editorial board member of 18 journals, and author or co-author of 16 books Foreword by the inventor of fuzzy logic-- Professor Lotfi Zadeh

Global Climate Change - The Technology Challenge - Frank Princiotta 2011-05-19

In order to avoid the potentially catastrophic impacts of global warming, the current 3% CO2 global emission growth rate must be transformed to a 1 to 3% declining rate, as soon as possible. This will require a rapid and radical transformation of the world's energy production and end use systems. The current generation of energy technologies are not capable of achieving the level of mitigation required. Next generations of renewable, low carbon generation and end use technologies will be needed. This book quantifies the mitigation challenge. It then considers the status of key technologies needed to protect the planet from serious climate change impact. Current and emerging technologies are characterized for their mitigation potential, status of development and potential environmental impacts. Power generation, mobile sources, industrial and building sectors are evaluated in detail. The importance and unique challenges for rapidly developing countries, such as China and India are discussed. Current global research and development efforts for key technologies are discussed. It is concluded that it will be necessary to substantially upgrade and accelerate the current worldwide RDD&D effort on both emerging energy technologies and those enabling technologies needed to improve mitigation effectiveness and economics. It will also be necessary to carefully evaluate the potential environmental characteristics of next generation technologies to avoid unacceptable health and ecological impacts. Finally, given the monumental technological challenge associated with transforming the world's energy system, geoengineering options are evaluated, since if successfully deployed, they have the potential to allow more time for the necessary energy system transformation. 'This book on Climate Change not only gives a clear picture of the problem but suggests many of the pitfalls in solving it and recommends strongly, a research program to fill the gaps in our knowledge. It is a most useful reference book for all aspects of the problem.' William D. Ruckelshaus, Madrona Venture Group/Evergreen Venture

The Complete Aubrey/Mituri n Novel-s Patrick O'Brian 2004

Handbook of Genetic Programming Applications - Amir H. Gandomi 2015-11-06

This contributed volume, written by leading international researchers, reviews the latest developments of genetic programming (GP) and its key applications in solving current real world problems, such as energy conversion and management, financial analysis, engineering modeling and design, and software engineering, to name a few. Inspired by natural evolution, the use of GP has expanded significantly in the last decade in almost every area of science and engineering. Exploring applications in a variety of fields, the information in this volume can help optimize computer programs throughout the sciences. Taking a hands-on approach, this book provides an invaluable reference to practitioners, providing the necessary details required for a successful application of GP and its branches to challenging problems ranging from drought prediction to trading volatility. It also demonstrates the evolution of GP through major developments in GP studies and applications. It is suitable for advanced students who wish to use relevant book chapters as a basis to pursue further research in these areas, as well as experienced practitioners looking to apply GP to new areas. The book also offers valuable supplementary material for design courses and computation in engineering.

Handbook of Research in School Consultation - William P Erchul 2014-04-03

Now in its second edition, the Handbook of Research in School Consultation provides the field of school-based consultation with a comprehensive volume examining research perspectives and methodologies, models of practice, and future research directions. Revised and updated, this collection brings together leading experts in the field, offering both producers and consumers of school consultation an invaluable snapshot of the current boundaries and rapidly growing content of the discipline. It touches upon not only

the scientific progress of the field, but also upon the variety of cutting-edge techniques and approaches currently being developed with an eye toward a changing world. Perfect for school psychologists, and also appropriate for researchers, trainers, and school-based professionals such as special educators and school counselors, this handbook is an absolute necessity for those keeping pace with the innovating, evolving world of school consultation.

Readings in Environmental Psychology Daniel Stokols 1974

Health Progress and Administration in the West Indies - Sir Rubert William Boyce 1910

Full View Integrated Technical Analysis - Xin Xie 2011-01-25

A fresh approach to technical analysis utilizing a full view (multi-time frame) integrated analytical system. Has the bear market ended? Is the rebound lasting? Everybody wants an answer but nobody can provide one with a good degree of confidence. While fundamental analysis is notoriously weak when it comes to market timing decisions and price target forecasts, technical analysis is equally timid in providing any concrete answers to the above fundamentally important questions for market participants. No existing system has produced a firm answer with a respectable degree of conviction. This book will present a system to answer those questions with a high degree of confidence. Xin Xie is the Director for Institute of International Trade and Investment at the Upper Yangtze River Economic Research Center, Chongqing

University of Business and Technology and PRC Ministry of Education. He has a PhD in Economics from Columbia University in New York and a Master of Arts Degree in Statistics at Zhongnan University of Finance in China. He has extensive experiences in banking and investment industries as Senior Economists and Strategists in Bank of America and UBS AG.

Graduate Programs in Physics, Astronomy, and Related Fields, 1981-1982 - American institute of physics 1981

Freud on the Psychology of Ordinary Mental Life - Susan Sugarman 2010-06-16

Freud, although best known for his elucidation of the unusual in human mental life, also attempted to illuminate ordinary human experience, such as people's appreciation of humor, their capacity to become engrossed in fiction, and their disposition to a variety of emotional experiences, including the uncanny, the stirrings prompted by beauty, and their disposition to mourn. His insights into the everyday and his sense of where within it the productive questions lie reveal an incisiveness that defies both earlier and subsequent thought on his topics. This book works to expose that vision and to demonstrate its fertility for further inquiry. It reconstructs several of Freud's works on ordinary mental life, tracking his method of inquiry, in particular his search for the child within the adult, and culminating in a deployment of his tools independently of his analyses. It shows how to read Freud for his insight and generativity and how to push beyond the confines of his analyses in pursuit of new lines of exploration.