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OBRIEN KRAMER

Methods and Protocols Springer Nature

"The Clinical Guidelines have been developed to provide a series of evidence-based recommendations related to stroke. Development of the guidelines has been undertaken by a multidisciplinary Expert Working Group (EWG) using methodology consistent with National Health and Medical Research Council (NHMRC) standards."--Publisher's homepage.

Market-Share Analysis Tyndale House Pub

This detailed volume explores common and numerous specialized methods to study various aspects of plant germline development and targeted manipulation, including imaging and hybridization techniques to study cell-type specification, cell lineage, signaling and hormones, cell cycle, and the cytoskeleton. In addition, cell-type specific methods for targeted ablation or isolation are provided, protocols to apply “omics” technologies and to perform bioinformatics data analysis, as well as methods relevant for aspects of biotechnology or plant breeding. This includes protocols that are relevant for the targeted manipulation of pathways, for crop plant transformation, or for conditional induction of phenotypes. Written for the highly successful *Methods in Molecular Biology* series, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Authoritative and practical, *Plant Germline Development: Methods and Protocols* serves as a comprehensive guide not only to studying basic questions related to different aspects of plant reproductive development but also for state of the art methods, in addition to being a source of inspiration for new approaches and research questions in many laboratories.

The Complete Book of Church Growth Crown

Creating robust software requires the use of efficient algorithms, but programmers seldom think about them until a problem occurs. *Algorithms in a Nutshell* describes a large number of existing algorithms for solving a variety of problems, and helps you select and implement the right algorithm for your needs -- with just enough math to let you understand and analyze algorithm performance. With its focus on application, rather than theory, this book provides efficient code solutions in several programming languages that you can easily adapt to a specific project. Each major algorithm is presented in the style of a design pattern that includes information to help you understand why and when the algorithm is appropriate. With this book, you will: Solve a particular coding problem or improve on the performance of an existing solution Quickly locate algorithms that relate to the problems you want to solve, and determine why a particular algorithm is the right one to use Get algorithmic solutions in C, C++, Java, and Ruby with implementation tips Learn the expected performance of an algorithm, and the conditions it needs to perform at its best Discover the impact that similar design decisions have on different algorithms Learn advanced data structures to improve the efficiency of algorithms With *Algorithms in a Nutshell*, you'll learn how to improve the performance of key algorithms essential for the success of your software applications.

Structure, Properties and Applications IAEA Safety Standards

"Our tests are broken again!" "Why does the suite take so long to run?" "What value are we getting from these tests anyway?" Solve your testing problems by building and maintaining quality software with RSpec - the popular BDD-flavored Ruby testing framework. This definitive guide from RSpec's lead developer shows you how to use RSpec to drive more maintainable designs, specify and document expected behavior, and prevent regressions during refactoring. Build a project using

RSpec to design, describe, and test the behavior of your code. Whether you're new to automated tests or have been using them for years, this book will help you write more effective tests. RSpec has been downloaded more than 100 million times and has inspired countless test frameworks in other languages. Use this influential Ruby testing framework to iteratively develop a project with the confidence that comes from well-tested code. This book guides you through creating a Ruby project with RSpec, and explores the individual components in detail. Start by learning the basics of installing and using RSpec. Then build a real-world JSON API, using RSpec throughout the process to drive a BDD-style outside-in workflow. Apply an effective test strategy to write fast, robust tests that support evolutionary design through refactoring. The rest of the book provides the definitive guide to RSpec's components. Use `rspec-core`'s metadata to slice and dice your spec suite. Dig into `rspec-expectations`' matchers: compose them in flexible ways, specify expected outcomes with precision, and diagnose problems quickly with the help of good failure messages. Write fast, isolated tests with `rspec-mocks`' test doubles while pushing your code toward simpler interfaces. The authors, with a combined 20 years of automated testing experience, share testing wisdom that will lead to a fun, productive testing experience. What You Need: To follow along with the book, you'll need Ruby 2.2+. The book will guide you through installing RSpec 3 and setting up a new project to use it.

Capital Needs in the Public Housing Program Gulf Professional Publishing

Spanning most of the years of the one-party South, the public career of Virginian Claude A. Swanson, congressman, governor, senator, and secretary of the navy, extended from the second administration of Grover Cleveland into that of Franklin Roosevelt. His record, writes Henry C. Ferrell, Jr., in this definitive biography, is that of "a skillful legislative diplomat and an exceedingly wise executive encompassed in the personality of a professional politician." As a congressman, Swanson abandoned Cleveland's laissez faire doctrines to become the leading Virginia spokesman for William Jennings Bryan and the Democratic platform of 1896. His achievements as a reform governor are equaled by few Virginia chief executives. In the Senate, Swanson worked to advance the programs of Woodrow Wilson. In the 1920s, he contributed to formulation of Democratic alternatives to Republican policies. In Roosevelt's New Deal cabinet, he helped the Navy obtain favorable treatment during a decade of isolation. The warp and woof of local politics are well explicated by Ferrell to furnish insight into personalities and events that first produced, then sustained, Swan-son's electoral success. He examines Virginia educational, moral, and social reforms; disfranchisement movements; racial and class politics; and the impact of the woman's vote. And he records the growth of the Hampton Roads military-industrial complex, which Swanson brought about. In Virginia, Swanson became a dominant political figure, and Ferrell's study challenges previous interpretations of Virginia politics between 1892 and 1932 that pictured a powerful, reactionary Democratic "Organization," directed by Thomas Staples Martin and his successor Harry Flood Byrd, Sr., defeating would-be progressive reformers. A forgotten Virginia emerges here, one that reveals the pervasive role of agrarians in shaping the Old Dominion's politics and priorities.

Evaluating Competitive Marketing Effectiveness Tyndale House Pub

Boxing - Training, Skills and Techniques is essential reading for both recreational and competitive boxers, and all those who wish to take up amateur boxing, or participate in a boxing-based programme. It offers practical advice on the many crucial factors that need to be taken into account if the boxer is to maximize his, or her, performance and potential. Topics include: an overview of the history of boxing; the amateur code; boxing weights; recreational boxing; equipment and attire; a detailed consideration of both basic and advanced techniques; the role of the coach; fitness training; gym work; running; conditioning; speed and agility training; making the

weight and nutrition; planning the season, and much more.

Boxing Springer

This book provides extensive insight on remote sensing of coastal waters from aircraft and space-based platforms. The primary focus of the book is optical remote sensing using passive instruments, to measure and analyze the coastal aquatic environment. The authors have gathered information from a variety of sources, to help non-specialists grasp new techniques and technology, to quickly produce useful data

Allostery Springer

This book discusses the latest progresses and developments on complex systems research and intends to give an exposure to prospective readers about the theoretical and practical aspects of mathematical modelling, numerical simulation and agent-based modelling frameworks. The main purpose of this book is to emphasize a unified approach to complex systems analysis, which goes beyond to examine complicated phenomena of numerous real-life systems; this is done by investigating a huge number of components that interact with each other at different (microscopic and macroscopic) scales; new insights and emergent collective behaviours can evolve from the interactions between individual components and also with their environments. These tools and concepts permit us to better understand the patterns of various real-life systems and help us to comprehend the mechanisms behind which distinct factors shaping some complex systems phenomena being influenced. This book is published in conjunction with the International Workshop on Complex Systems Modelling & Simulation 2019 (CoSMoS 2019): IoT & Big Data Integration. This international event was held at the Universiti Sains Malaysia Main Campus, Penang, Malaysia, from 8 to 11 April 2019. This book appeals to readers interested in complex systems research and other related areas such as mathematical modelling, numerical simulation and agent-based modelling frameworks. .

Proceedings of HCI '97 Springer Science & Business Media

The cats of America are under siege! Long gone are the good old days when a cat's biggest worries were mean dogs or a bath. Modern cats must confront satanists, online predators, the possibility of needing to survive in a post-apocalyptic wasteland, and countless other threats to their nine lives. For over four decades, the American Association of Patriots have stood at the vanguard of our country's defense by helping to prepare our nation's cat owners for the difficult conversations they dread having with their pets. Written in a simple Q&A format, *How to Talk to Your Cat About Gun Safety* answers crucial questions such as, "What is the right age to talk to my cat about the proper use of firearms?" and "What are the benefits of my cat living a lifestyle of abstinence?" and especially "Why does my cat need to use the internet? Can't he just play with yarn like cats used to do?" Our country—and our cats—stand at a precipice. It will take courage, and it will take hard work, but armed with the knowledge within these pages, we can make our cats—and America—great again!

Safe Handling of Tritium National Academies Press

This handbook presents the most comprehensive account of eudaimonic well-being to date. It brings together theoretical insights and empirical updates presented by leading scholars and young researchers. The handbook examines philosophical and historical approaches to the study of happy lives and good societies, and it critically looks at conceptual controversies related to eudaimonia and well-being. It identifies the elements of happiness in a variety of areas such as emotions, health, wisdom, self-determination, internal motivation, personal growth, genetics, work, leisure, heroism, and many more. It then places eudaimonic well-being in the larger context of society, addressing social elements. The most remarkable outcome of the book is arguably its large-scale relevance, reminding us that the more we know about the good way of living, the more

we are in a position to build a society that can be supportive and offer opportunities for such a way of living for all of its citizens.

Springer Handbook of Lasers and Optics Springer Science & Business Media

Most organisations try to protect their systems from unauthorised access, usually through passwords. Considerable resources are spent designing secure authentication mechanisms, but the number of security breaches and problems is still increasing (DeAlvare, 1990; Gordon, 1995; Hitchings, 1995). Unauthorised access to systems, and resulting theft of information or misuse of the system, is usually due to hackers "cracking" user passwords, or obtaining them through social engineering. System security, unlike other fields of system development, has to date been regarded as an entirely technical issue - little research has been done on usability or human factors related to use of security mechanisms. Hitchings (1995) concludes that this narrow perspective has produced security mechanisms which are much less effective than they are generally thought to be. Davis & Price (1987) point out that, since security is designed, implemented, used and breached by people, human factors should be considered in the design of security mechanism. It seems that currently hackers pay more attention to human factors than security designers do. The technique of social engineering, for instance - obtaining passwords by deception and persuasion - exploits users' lack of security awareness. Hitchings (1995) also suggests that organisational factors ought to be considered when assessing security systems. The aim of the study described in this paper was to identify usability and organisational factors which affect the use of passwords. The following section provides a brief overview of authentication systems along with usability and organisational issues which have been identified to date. 1. *Emerging Topics and Controversies in Neonatology* Pragmatic Bookshelf

This book describes the rapidly expanding field of two-dimensional (2D) transition metal carbides and nitrides (MXenes). It covers fundamental knowledge on synthesis, structure, and properties of these new materials, and a description of their processing, scale-up and emerging applications. The ways in which the quickly expanding family of MXenes can outperform other novel nanomaterials in a variety of applications, spanning from energy storage and conversion to electronics; from water science to transportation; and in defense and medical applications, are discussed in detail.

Modelling, Simulation and Applications of Complex Systems Springer Nature

The use of infrasound to monitor the atmosphere has, like infrasound itself, gone largely unheard of through the years. But it has many applications, and it is about time that a book is being devoted to this fascinating subject. Our own involvement with infrasound occurred as graduate students of Prof. William Donn, who had established an infrasound array at the Lamont-Doherty Geological Observatory (now the Lamont-Doherty Earth Observatory) of Columbia University. It

was a natural outgrowth of another major activity at Lamont, using seismic waves to explore the Earth's interior. Both the atmosphere and the solid Earth feature velocity (seismic or acoustic) gradients in the vertical which act to refract the respective waves. The refraction in turn allows one to calculate the respective background structure in these mediums, indirectly exploring locations that are hard to observe otherwise. Monitoring these signals also allows one to discover various phenomena, both natural and man-made (some of which have military applications).

New Advances on Zika Virus Research Springer Nature

Trends among the world's 20 largest churches; The local church as a church planting base; Church growth and the Holy Spirit; Using computers to support church growth; Who's who in church growth.

Technologies, Techniques and Applications Humana Press

Fungal diseases have contributed to death and disability in humans, triggered global wildlife extinctions and population declines, devastated agricultural crops, and altered forest ecosystem dynamics. Despite the extensive influence of fungi on health and economic well-being, the threats posed by emerging fungal pathogens to life on Earth are often underappreciated and poorly understood. On December 14 and 15, 2010, the IOM's Forum on Microbial Threats hosted a public workshop to explore the scientific and policy dimensions associated with the causes and consequences of emerging fungal diseases.

2D Metal Carbides and Nitrides (MXenes) Springer Science & Business Media

By combining case studies, recent research, and the latest developments in tax compliance into a coherent and holistic framework, the book aims to guide policymakers and tax practitioners in their efforts to reform tax administrations and create a more equitable and robust foundation for economic growth.

Side Impact and Rollover University Press of Kentucky

This new edition features numerous updates and additions. Especially 4 new chapters on Fiber Optics, Integrated Optics, Frequency Combs and Interferometry reflect the changes since the first edition. In addition, major complete updates for the chapters: Optical Materials and Their Properties, Optical Detectors, Nanooptics, and Optics far Beyond the Diffraction Limit. Features Contains over 1000 two-color illustrations. Includes over 120 comprehensive tables with properties of optical materials and light sources. Emphasizes physical concepts over extensive mathematical derivations. Chapters with summaries, detailed index Delivers a wealth of up-to-date references.

Church Growth John Wiley & Sons

This publication is the new edition of the International Basic Safety Standards. The edition is co-sponsored by seven other international organizations European Commission (EC/Euratom), FAO,

ILO, OECD/NEA, PAHO, UNEP and WHO. It replaces the interim edition that was published in November 2011 and the previous edition of the International Basic Safety Standards which was published in 1996. It has been extensively revised and updated to take account of the latest finding of the United Nations Scientific Committee on the Effects of Atomic Radiation, and the latest recommendations of the International Commission on Radiological Protection. The publication details the requirements for the protection of people and the environment from harmful effects of ionizing radiation and for the safety of radiation sources. All circumstances of radiation exposure are considered.

The Blood Sugar Solution Cookbook DIANE Publishing

This book is the first to introduce a mesoscale polymer simulation system called OCTA. With its name derived from "Open Computational Tool for Advanced material technology," OCTA is a unique software product, available without charge, that was developed in a project funded by Japanese government. OCTA contains a series of simulation programs focused on mesoscale simulation of the soft matter COGNAC, SUSHI, PASTA, NAPLES, MUFFIN, and KAPSEL. When mesoscale polymer simulation is performed, one may encounter many difficulties that this book will help to overcome. The book not only introduces the theoretical background and functions of each simulation engine, it also provides many examples of the practical applications of the OCTA system. Those examples include predicting mechanical properties of plastic and rubber, morphology formation of polymer blends and composites, the micelle structure of surfactants, and optical properties of polymer films. This volume is strongly recommended as a valuable resource for both academic and industrial researchers who work in polymer simulation.

International Basic Safety Standards Little, Brown

This volume explores the basic issues of allostery and network that are fundamental to studying this field. Chapters in this book look at how the basic machine-like proteins, that are similar to human machines, need to be organized, architecturally, to relate to different organizational layers. Chapters cover topics such as methodological/computational factors focused on links between allostery and network formalism; the presence of oscillating modes transversing the structure and underlying network wiring of the allosteric process; the action at distance by transduction of signals across an organized network structure; and the P53 protein located at the cross-road of cell cycle regulation, genome integrity, and cancer development. Written in the highly successful *Methods in Molecular Biology* series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Thorough and practical, *Allostery: Methods and Protocols* is a valuable resource for any scientists and researcher interested in learning more about this developing field.