

Numpy Essentials Webxmedia

Sonja Luehrmann explores the Soviet atheist effort to build a society without gods or spirits and its afterlife in post-Soviet religious revival. Combining archival research on atheist propaganda of the 1960s and 1970s with ethnographic fieldwork in the autonomous republic of Marij El in Russia's Volga region, Luehrmann examines how secularist culture-building reshaped religious practice and interreligious relations. One of the most palpable legacies of atheist propaganda is a widespread didactic orientation among the population and a faith in standardized programs of personal transformation as solutions to wider social problems. This didactic trend has parallels in globalized forms of Protestantism and Islam but differs from older uses of religious knowledge in rural Russia. At a time when the secularist modernization projects of the 20th century are widely perceived to have failed, Secularism Soviet Style emphasizes the affinities and shared histories of religious and atheist mobilizations.

Sociology for Pharmacists: An Introduction is written specifically for professionals and students in pharmacy who are newcomers to the study of sociology. It introduces the key concepts of sociology and demonstrates their importance and application to pharmacy practice in the 21st century. It is unique in its role as the only text to introduce sociology specifically to pharmacists. Rather than an exhaustive treatment, the book provides a concise introduction to major perspectives in sociology-drawing on research evidence pertaining to health, illness, and professional practice-which will inform and enhance pharmacy practice. It offers an overview of sociology for rather than sociology of pharmacy, and will both inform practitioners and stimulate informed research into the social aspects of pharmacy practice. Key issues covered include: Key sociological concepts and perspectives Contemporary developments in pharmacy practice and pharmacy's professional status A review of research into the way people react to illness and look after their health How and why illness and disease are influenced by gender, ethnicity, and social class Health education and pharmacists' role in promoting health and ensuring appropriate medicine usage Social research methods Pharmacists are frequently encouraged to broaden their day-to-day practice. This timely book does just that by encouraging pharmacists to become more involved with advising clients, managing medicines, and supporting the promotion of health. In addition to providing an overview of these topics, the book also reviews the relevant research, and directs readers to further information.

Paint a lazy stream or crashing waves with ease! The path to better water-themed paintings has never been clearer. Celebrated teacher and television artist Robert Warren presents a liberating new approach to painting that begins with acrylics and finishes with oils for impressive, luminous effects unlike any other method. Learn how to paint a favorite but ever-changing and complex subject in easy-to-follow steps! Inside you'll find: Complete, illustrated instruction on this exciting technique in which an acrylic underpainting and directly applied value plan set the stage for oil-painting success 12 fun step-by-step projects (plus line drawings) you can finish in a few hours Lessons and tips for mastering water in all its forms, including oceans, rivers, lakes, falls, ponds, reflections and more The simple solution to overworked, underwhelming oil paintings! No matter your skill level, perfect results are just pages away. So proven is Warren's method for portraying all different types of water that you will undoubtedly want to try it for every subject you paint!

Take Razor for a test drive and discover first hand how this scripting syntax simplifies the way you create dynamic, data-driven websites. With this concise guide, you'll work with Razor syntax by building example websites with Microsoft WebMatrix and ASP.NET MVC. You'll quickly learn how Razor lets you combine code and content in a fluid and expressive manner on Windows-based servers. Programming Razor also explores components of the Razor API, and shows you how Razor templates are turned into rendered HTML. By the end of this book, you'll be able to create Razor-based websites with custom extensions that meet the specific needs of your projects. Use Razor with Microsoft WebMatrix to build a working blog, complete with data Organize and manage your web application, using Razor features for layouts, sections, and partial views Create clean and effective ASP.NET MVC views with the Razor View Engine Learn how the Razor API interprets Razor templates and turns them into executable .NET code Implement advanced techniques for exposing reusable code and sharing ASP.NET MVC views across projects

Smart polymers for biomedical applications are presently one focuses in biomedical materials research. Smart polymers are becoming increasingly more prevalent as scientists learn about the chemistry and triggers that induce conformational changes in polymer structures and devise ways to take advantage of, and control them. New polymeric materials are being chemically formulated that sense specific environmental changes in biological systems, and adjust in a predictable manner, making them useful tools for drug delivery, tissue engineering, biosensor design, wound healing and other metabolic control mechanisms. In this relatively new area of biotechnology, many advances are made in the recent years, but no latest books or edited collections have well summarised the recent advances. This book is the only book that has latest research developments on smart-polymeric materials for biomedical applications which include drug delivery, tissue engineering, biosensors, wound healing and many other allied fields.

Reeds Superyacht Manual, published in association with Bluewater Training, is a complete reference and training manual for everyone involved with large yachts, from deck-hands to captains, as well as for leisure boaters and sailors. Covering the course syllabus for all career levels to Officer of the Watch, with explanatory diagrams and photographs, this user-friendly book includes: the key information for all courses required from basic training through Yachtmaster ? to Officer of the Watch (Yacht) comprehensive coverage of: safety, sea survival, first aid, fire fighting, navigation and radar, seamanship, meteorology, marine radio, general ship knowledge additional information on the career path and marine law, including international and flag state requirements full text of the Collision Regulations; single letter flag and Morse codes. This is the complete on-board reference, whether you are starting out in yachting and looking for the essentials of safety and navigation, or you are seeking a clear understanding of the operation and manning of large yachts and the legislation concerning them.

Structural and Mechanistic Enzymology, Volume 109, the latest release in the Advances in Protein Chemistry and Structural Biology series, is an essential resource for protein chemists. Chapters in this new volume include Collagenolytic Matrix Metalloproteinase Structure-Function Relationships: Insights from Molecular Dynamics Studies, Computational Glycobiology: Mechanistic Studies of Carbohydrate-Active Enzymes and Implication for Inhibitor Design, Computational Biochemistry?Enzyme Mechanisms Explored, and A Paradigm for C-H Bond Cleavage: Structural and Functional Aspects of Transition State Stabilization by Mandelate Racemase. This series presents new information on protocols and analysis of proteins, with each volume guest edited by leading experts in a broad range of protein-related topics. This volume presents state-of-the-art contributions, providing insights into the relationship between enzyme structure, catalysis, and function. Provides cutting-edge developments in protein chemistry and structural biology Features new information about protocols and analysis of proteins Contains chapters written by authorities in their respective fields Targeted to a wide audience of researchers, specialists and students

Regents Success Strategies Earth Science helps you ace the Regents, without weeks and months of endless studying. Our comprehensive Regents Success Strategies Earth Science 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. Regents Success Strategies Earth Science includes: The 5 Secret Keys to Regents Test Success: Time is Your Greatest Enemy, Guessing is Not Guesswork, Practice Smarter, Not Harder, Prepare, Don't Procrastinate, Test Yourself; Maximizing Your Preparation including: Test Taking Tips, Final Tips for Test Day; Along with a complete, in-depth study guide for your specific Regents Test, and much more...

This book is in question-answer format in 2 volumes. Volume I covers the syllabus of Paper I, while Volume II will deal with the syllabus of Paper II.

This book constitutes the thoroughly refereed post-proceedings of the 5th IFIP WG 10.2 International Workshop on Software Technologies for Future Embedded and Ubiquitous Systems, SEUS 2007, held in conjunction with ISORC 2007, the 10th IEEE International Symposium on Object/component/service-oriented Real-time Distributed Computing.

Coverage includes ubiquitous computing frameworks, validation of embedded and ubiquitous systems, and ubiquitous computing applications.

This total independence thing really sneaks up on you. One minute you're picking out prom gear, cramming for finals, and screaming for your kid brother to get out of the bathroom. Then it hits you. In a few months, I'll be out of here!

A complete guide to key intelligence and achievement tests and their effective use The tools used in the assessment process have changed dramatically in recent years. School and clinical psychologists need a comprehensive yet focused resource to which they can turn to learn the basics of key intelligence and achievement tests and how to use them in their assessments of children and adults. With its practical and straightforward presentation, Practitioner's Guide to Assessing Intelligence and Achievement provides that resource. Coedited by two well-known and respected scholars and researchers, Jack Naglieri and Sam Goldstein, the content in this timely book combines traditional and new conceptualizations of intelligence as well as ways to measure achievement. Truly readable and user-friendly, this book provides professionals with a single source from which to examine ability and achievement tests along the same general criteria. Each chapter is written by a leading scholar and test developer and is consistently structured for easy comparison of each test that is examined. Coverage includes: The theory underlying each test Description of each test Tips for administering and scoring each test Standardization, norms, and reliability of each scale Practical guidance for the use of each test Correspondence of each test to IDEA A practical tool designed to aid clinical psychologists in understanding the strengths and weaknesses of the various tests presented, Practitioner's Guide to Assessing Intelligence and Achievement provides students and practitioners with the information they need for their practice and testing efforts to be consistent with recent updates in the field and how those assessment instruments relate to changes in the laws that influence test use.

Unleash Your Inner Mechanical Mastermind Welcome to the wondrous world of Thomas Willeford, aka Lord Archibald "Feathers" Featherstone, in which he shares his closely guarded secrets of Steampunkery. Filled with do-it-yourself projects, Steampunk Gear, Gadgets, and Gizmos: A Maker's Guide to Creating Modern Artifacts shows you how to build exquisite, ingenious contraptions on a budget. Learn from Lord Featherstone as he distills his wealth of hard-learned skills, describes how to use the readily available tools of the modern mad scientist, and expounds on the art and philosophy of scavenging unique components and raw materials. The perfect companion for the hobbyist and advanced machinist alike, this inventive volume will guide you through the creation of your very own infernal devices. Get steamed with these provocative projects: Aetheric ray deflector solid brass goggles Calibrated indicator gauges Ferromagnetic self-scribing automated encyclopedia (or, the Steampunk book drive) High voltage electro-static cannon (or, the lamp gun) Tesla-pod chrono-static insulating field generator (or, the mobile device enclosure) Altitude mask with integrated respiratory augmentation Armoured pith helmet Mark I superior replacement arm with integrated Gatling gun attachment Visit the companion website, www.mhprofessional.com/steampunk, for videos, images, and more bonus content! Make Great Stuff! TAB, an imprint of McGraw-Hill Professional, is a leading publisher of DIY technology books for makers, hackers, and electronics hobbyists.

SELF: A Study in Ethics and Endocrinology considers the psycho-physical mechanisms and reactions in human nature and destiny. This book is composed of seven chapters and begins with a description of the complexity of human body and mind, specifically their physical basis and nature of functioning. These topics are followed by a presentation on the issues of homosexuality and hermaphroditism in human, as well as the role of endocrine system in these issues. The discussion then shifts to the psychiatric and psychological aspects of diverse human personality. A chapter examines the psychological distinction between male and female mind functioning. The last chapter focuses on the central problem of human ethics, the so-called "free will". This book will prove useful to psychologists, psychiatrists, and research workers who are interested in human nature.

Specific complexes of protein and RNA carry out many essential biological functions, including RNA processing, RNA turnover, RNA folding, as well as the translation of genetic information from mRNA into protein sequences. Messenger RNA (mRNA) decay is now emerging as an important control point and a major contributor to gene expression. Continuing identification of the protein factors and cofactors, and mRNA instability elements responsible for mRNA decay allow researchers to build a comprehensive picture of the highly orchestrated processes involved in mRNA decay and its regulation. Covers the nonsense-mediated mRNA decay (NMD) or mRNA surveillance pathway Expert researchers introduce the most advanced technologies and techniques to identify mRNA processing, transport, localization and turnover, which are central to the process of gene expression Offers step-by-step lab instructions, including necessary equipment and reagents

Considers the design, structure and biological activity of ordered films comprised of proteins, polymers, amphiphile molecules and colloidal particles, and assesses the ability of protein/polyion multilayers to mimic living organelles. The book discusses how to reach predetermined locations with proteins and orient molecules while preserving their bioactivity.

Within the context of the Convention on Biological Diversity (CBD), the Cartagena Protocol on Biosafety (CPB) was established as an implementing agreement. The CPB is an international agreement establishing the rights of recipient countries to be notified of and to approve or reject the domestic import and/or production of living modified organisms (LMOs). Decisions regarding import/production are to be on the basis of a biosafety assessment. Article 26.1 of the CPB allows for the (optional) inclusion of socio-economic considerations (SECs) into that biosafety assessment process. This book compiles expert assessments of the issues relevant to SEC assessment of LMOs and fundamental for decisions regarding whether to undertake such assessments at all. It includes an overview of the inclusion of SEC assessment in the regulation of LMOs that looks at the rationale for the inclusion of SECs, in the context of the existing science-based risk assessment systems. This book reviews the various factors that can and have been suggested for inclusion in SEC assessment, and provides a meaningful dialogue about the contrasts, benefits and tradeoffs that are, and will, be created by the potential move to the inclusion of SECs in the regulation of LMOs, making it of interest to both academics and policy-makers.

More than 300,000 engineers have relied on the Engineer-In-Training Reference Manual to prepare for the FE/EIT exam. The Reference Manual provides a broad review of engineering fundamentals, emphasizing subjects typically found in four- and five-year engineering degree programs. Each chapter covers one subject with solved example problems illustrating key points. Practice problems at the end of every chapter use both SI and English units. Solutions are in the companion Solutions Manual. Comprehensive review of thousands of engineering topics, including FE exam topics Over 980 practice problems More than 590 figures Over 400 solved sample problems Hundreds of tables and conversion formulas More than 2,000 equations and formulas A detailed 7,000-item index for quick reference For additional discipline-specific FE study tools, please visit feprep.com. Since 1975, more than 2 million people have entrusted their exam prep to PPI. For more information, visit us at ppi2pass.com.

A fascinating account of the life and career of an outstanding engineer, and a vivid portrait of Rudolph Glossop and his achievements

This book considers the impact of educational policies on those who have to translate political priorities into the day-to-day work of schools and classrooms.

Standard C++ provides a foundation for creating new, improved, and more powerful C++ components. IOStreams and locales are two such major components for text internationalization. As critical as these two APIs are, however, there are few resources devoted to explaining them. "Standard C++ IOStreams and Locales" fills this informational gap. It provides a comprehensive description of, and reference to, the iostreams and locales classes, showing how to put them to use and offering advanced information on customizing and extending their basic operation. Written by two experts involved with the development of the standard, this book reveals the rationale behind the design of the APIs and points out their potential pitfalls. This book serves as both a guide and a reference to C++ components. Part I explains iostreams, what they are, how they are used, their underlying architectural concepts, and the techniques for extending the iostream framework. Part II introduces internationalization and shows you how to adapt your program to local conventions. Readers seeking an initial overview of the problem domain will find an explanation of what internationalization and localization are, how they are related, and how they differ. With examples, the authors show the differences among cultural conventions, how C++ locales can be used to address such differences, and how locale framework can be extended to handle further, nonstandard cultural conventions. "Standard C++ IOStreams and Locales" Explains formatting and error indication features of iostreams in detail Describes underlying concepts of the iostreams framework Demonstrates implementation of i/o operations for user-defined types Shows techniques for implementing extended stream and stream buffer classes Introduces internationalization Explains how to use standard features for internationalization Demonstrates techniques for implementation of user-defined internationalization services IOStreams and locales serve as a foundation library that provides a number of ready-to-use interfaces, as well as frameworks that can be customized and extended. The class reference to C++ IOStreams and locales completes this comprehensive resource, which belongs in the libraries of all intermediate and advanced C++ programmers. 0201183951B04062001

The one book that brings together software development techniques and day-to-day programming expertise not found anywhere else.

Electrochemistry is the branch of chemistry that deals with the chemical action of electricity and the production of electricity by chemical reactions. In a world short of energy sources yet long on energy use, electrochemistry is a critical component of the mix necessary to keep the world economies growing. Electrochemistry is involved with such important applications as batteries, fuel cells, corrosion studies, hydrogen energy conversion, bioelectricity. Research on electrolytes, cells, and electrodes is within the scope of this old but extremely dynamic field. This new book gathers leading research from throughout the world.

This book focuses on the statistical aspects of the analysis of degradation data. In recent years, degradation data analysis has come to play an increasingly important role in different disciplines such as reliability, public health sciences, and finance. For example, information on products' reliability can be obtained by analyzing degradation data. In addition, statistical modeling and inference techniques have been developed on the basis of different degradation measures. The book brings together experts engaged in statistical modeling and inference, presenting and discussing important recent advances in degradation data analysis and related applications. The topics covered are timely and have considerable potential to impact both statistics and reliability engineering.

Software tools are a great aid to process engineers, but too much dependence on such tools can often lead to inappropriate and suboptimal designs. Reliance on software is also a hindrance without a firm understanding of the principles underlying its operation, since users are still responsible for devising the design. In Process Engineering and Design Using Visual Basic, Arun K. Datta provides a unique and versatile suite of programs along with simultaneous development of the underlying concepts, principles, and mathematics. Each chapter details the theory and techniques that provide the basis for design and engineering software and then showcases the development and utility of programs developed using the material outlined in the chapter. This all-inclusive guide works systematically from basic mathematics to fluid mechanics, separators, overpressure protection, and glycol dehydration, providing basic design guidelines based on international codes. Worked examples demonstrate the utility of each program, while the author also explains problems and limitations associated with the simulations. After reading this book you will be able to immediately put these programs into action and have total confidence in the result, regardless of your level of experience. Companion Visual Basic and Excel files are available for download on under the "Downloads/Updates" tab on this web page.

With the developing progress of materials fabrication, it is possible to produce materials with exciting electronic and magnetic properties which may be candidates for future device applications. One key class of these materials is the metallic magnetic oxide systems. This book focuses on colossal magnetoresistance (CMR) materials, including manganites and cobalites. Transport and magnetic properties and their dependence on stress, growth conditions, stoichiometry and elemental composition are explored quite extensively. However, the large magnetic fields required to obtain the CMR effect have been perceived

as a technological roadblock for commercialization of this phenomenon. This has motivated research aimed both at reducing the intrinsic field dependence as well as at developing novel device structures that will reduce the required effective field. Technologically useful devices will undoubtedly involve heterostructures. Since the magnetic and transport properties are extremely stress-dependent, CMR heterostructures will most likely involve other metallic or insulating oxide materials. Materials of interest include half-metallic ferromagnets, yttrium garnet materials and ferrites.

This atlas opens with a discussion of the normal chest radiograph and differential diagnosis of a mass on the chest radiograph. The main section centres on radiographic appearances of the major disorders of the chest, and ends with an account of the radiographic assessment of chest injuries.

An easy-to-use illustrated guide to building codes for residential structures As the construction industry moves to a single set of international building codes, architects and construction professionals need an interpretive guide to understand how the building code affects the early design of specific projects. This newest addition to Wiley's series of focused guides familiarizes code users with the 2009 International Residential Code® (IRC) as it applies to residential buildings. The book provides architects, engineers, and other related building professionals with an understanding of how the International Residential Code was developed, and how it is likely to be interpreted when applied to the design and construction of residential buildings. • User-friendly visual format that makes finding the information you need quick and easy • The book's organization follows the 2009 International Residential Code itself • Nearly 900 illustrations, by architectural illustrator Steven Juroszek in the style of noted illustrator and author Frank Ching, visualize and explain the codes • Text written by experienced experts who have been instrumental in gaining acceptance for the new unified building code This book is an essential companion to the IRC for both emerging practitioners and experienced practitioners needing to understand the new IRC.

Setting the Moral Compass brings together the (largely unpublished) work of nineteen women moral philosophers whose powerful and innovative work has contributed to the "re-setting of the compass" of moral philosophy over the past two decades. The contributors, who include many of the top names in this field, tackle several wide-ranging projects: they develop an ethics for ordinary life and vulnerable persons; they examine the question of what we ought to do for each other; they highlight the moral significance of inhabiting a shared social world; they reveal the complexities of moral negotiations; and finally they show us the place of emotion in moral life.

Publisher Description

Provides road bike enthusiasts with step-by-step guidance to maintaining and repairing their bikes, combining an easy-to-use format and design with high quality photographs of the latest equipment, tools and techniques. Understanding how to maintain a road bike is a necessary skill. This book guides the reader through every repair possible and give tips on how to spot the early warning signs of trouble so that the problem can be fixed before it leads to costly replacements. The spiral bound design allows the book open flat so the reader can easily follow the fully illustrated step-by-step guidance. It is the perfect reference manual for the workshop or the backpack with lots of tips on how to conduct quick repairs for trouble out on the road.

This book may be helpful to any man affected by prostate cancer and his family. It is particularly designed for men who have localised prostate cancer (cancer which has not spread beyond the prostate gland) and who need to make a treatment decision.

Python Programming In A Day 2nd Edition: Beginners Power Guide To Learning Python Programming From Scratch What exactly is python programming and is it really that complex? How is Python made so easy so the jargon is gone and you can have success programming within a day? Want to know all about interactive mode with mathematical operations? Variables? Strings? Mr. Key is going above and beyond with data types, programming modes and conditional statements Always wanted a step by step guide to begin a program building from start to finish? Look no further! Its time for you to take advantage of this easy programming guide so you can have immediate success in Python Programming! But Now!

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