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Geometry for Naval Architects Advanced
Methods and Deep Learning in Computer Vision
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Research Trends Advanced Research on
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Systems Colour Image Science Ship Hydrostatics
and Stability Multimedia Information
Extraction Meteorological and Air Quality
Models for Urban Areas Python Data Science
Essentials Surveying for Construction
Pharmacology of Purine and Pyrimidine
Receptors Permissions, A Survival Guide
Guidelines for the Evaluation of Gamut Mapping
Algorithms Of Gods and Monsters Microsoft
Project 2010: The Missing Manual Molecular and
Nano Electronics: Analysis, Design and
Simulation The Matrix Model for Teens and
Young Adults Therapist Manual Meat Is for
Pussies Android User Interface Development

IPython Interactive Computing and
Visualization Cookbook May 22 2022 Intended to
anyone interested in numerical computing and
data science: students, researchers, teachers,
engineers, analysts, hobbyists... Basic
knowledge of Python/NumPy is recommended. Some
skills in mathematics will help you understand
the theory behind the computational methods.

**Meteorological and Air Quality Models for
Urban Areas** Jan 06 2021 This book for the
first time gives an overall view of the
current situation in urbanization of
meteorological and air quality models around
the world. It discusses and makes
recommendations on the best practice and

strategy for urbanization of different types of meteorological and air quality models. Based on the selected presentations given at the COST728 workshop, the contributions are arranged in four parts: urban morphology and databases; parameterizations of urban canopy; strategy for urbanization of different types of models; and evaluation and city case studies / field studies. The chapters treat either dynamic (on wind and turbulent) and thermal effects (on temperature and energy in general). The final chapter of this volume summarizes the discussion and conclusions from the four main topics and provides recommendations and future requirements. This monograph is oriented towards numerical weather prediction and air quality modelling communities.

Ship Hydrostatics and Stability Mar 08 2021
Ship Hydrostatics and Stability is a complete guide to understanding ship hydrostatics in ship design and ship performance, taking you from first principles through basic and applied theory to contemporary mathematical techniques for hydrostatic modeling and analysis. Real life examples of the practical application of hydrostatics are used to explain the theory and calculations using MATLAB and Excel. The new edition of this established resource takes in recent

developments in naval architecture, such as parametric roll, the effects of non-linear motions on stability and the influence of ship lines, along with new international stability regulations. Extensive reference to computational techniques is made throughout and downloadable MATLAB files accompany the book to support your own hydrostatic and stability calculations. The book also includes definitions and indexes in French, German, Italian and Spanish to make the material as accessible as possible for international readers. Equips naval architects with the theory and context to understand and manage ship stability from the first stages of design through to construction and use. Covers the prerequisite foundational theory, including ship dimensions and geometry, numerical integration and the calculation of heeling and righting moments. Outlines a clear approach to stability modeling and analysis using computational methods, and covers the international standards and regulations that must be kept in mind throughout design work. Includes definitions and indexes in French, German, Italian and Spanish to make the material as accessible as possible for international readers.

Advanced Research on Electronic Commerce, Web Application, and Communication Aug 25 2022 The

two-volume set CCIS 143 and CCIS 144 constitutes the refereed proceedings of the International Conference on Electronic Commerce, Web Application, and Communication, ECWAC 2011, held in Guangzhou, China, in April 2011. The 148 revised full papers presented in both volumes were carefully reviewed and selected from a large number of submissions. Providing a forum for engineers, scientists, researchers in electronic commerce, Web application, and communication fields, the conference will put special focus also on aspects such as e-business, e-learning, and e-security, intelligent information applications, database and system security, image and video signal processing, pattern recognition, information science, industrial automation, process control, user/machine systems, security, integrity, and protection, as well as mobile and multimedia communications.

Multiple View Geometry in Computer Vision Jul 24 2022 A basic problem in computer vision is to understand the structure of a real world scene given several images of it. Techniques for solving this problem are taken from projective geometry and photogrammetry. Here, the authors cover the geometric principles and their algebraic representation in terms of camera projection matrices, the fundamental

matrix and the trifocal tensor. The theory and methods of computation of these entities are discussed with real examples, as is their use in the reconstruction of scenes from multiple images. The new edition features an extended introduction covering the key ideas in the book (which itself has been updated with additional examples and appendices) and significant new results which have appeared since the first edition. Comprehensive background material is provided, so readers familiar with linear algebra and basic numerical methods can understand the projective geometry and estimation algorithms presented, and implement the algorithms directly from the book.

Information and Communication Technology for Intelligent Systems May 10 2021 The book gathers papers addressing state-of-the-art research in all areas of Information and Communication Technologies and their applications in intelligent computing, cloud storage, data mining and software analysis. It presents the outcomes of the third International Conference on Information and Communication Technology for Intelligent Systems, which was held on April 6-7, 2018, in Ahmedabad, India. Divided into two volumes, the book discusses the fundamentals of various data analytics and algorithms, making it a

valuable resource for researchers' future studies.

Permissions, A Survival Guide Sep 01 2020 If a picture is worth a thousand words, then it's a good bet that at least half of those words relate to the picture's copyright status. Art historians, artists, and anyone who wants to use the images of others will find themselves awash in byzantine legal terms, constantly evolving copyright law, varying interpretations by museums and estates, and despair over the complexity of the whole situation. Here, on a white-not a high-horse, Susan Bielstein offers her decades of experience as an editor working with illustrated books. In doing so, she unsnarls the threads of permissions that have ensnared scholars, critics, and artists for years. Organized as a series of "takes" that range from short sidebars to extended discussions, *Permissions, A Survival Guide* explores intellectual property law as it pertains to visual imagery. How can you determine whether an artwork is copyrighted? How do you procure a high-quality reproduction of an image? What does "fair use" really mean? Is it ever legitimate to use the work of an artist without permission? Bielstein discusses the many uncertainties that plague writers who work with images in this highly visual age,

and she does so based on her years navigating precisely these issues. As an editor who has hired a photographer to shoot an incredibly obscure work in the Italian mountains (a plan that backfired hilariously), who has tried to reason with artists' estates in languages she doesn't speak, and who has spent her time in the archival trenches, she offers a snappy and humane guide to this difficult terrain. Filled with anecdotes, asides, and real courage, *Permissions, A Survival Guide* is a unique handbook that anyone working in the visual arts will find invaluable, if not indispensable.

Community Rehabilitation in Neurology Jul 12 2021 Rehabilitation should not stop when the disabled person is discharged from hospital, and many neurological patients require ongoing rehabilitation in order to maximize their functional abilities, minimize complications and promote full participation at home and in the community. This book analyses community rehabilitation needs from many different perspectives, including the views of disabled people, rehabilitation clinicians and service providers. Many examples of community rehabilitation schemes are presented, with evidence for their effectiveness, and case studies are used to highlight the main issues. The authors take an international view, and

there are chapters dealing with the disabled child in the community and with neuropsychological rehabilitation. This important book examines the growing trend towards community rehabilitation in neurology and is directed towards all clinicians involved with neurorehabilitation.

The Matrix Model for Teens and Young Adults Therapist Manual Mar 27 2020 The Matrix Model for Teens and Young Adults Therapist Manual

Molecular and Nano Electronics: Analysis, Design and Simulation Apr 28 2020 The aim of *Molecular and Nano Electronics: Analysis, Design and Simulation* is to draw together contributions from some of the most active researchers in this new field in order to illustrate a theory guided-approach to the design of molecular and nano-electronics. The field of molecular and nano-electronics has driven solutions for a post microelectronics era, where microelectronics dominate through the use of silicon as the preferred material and photo-lithography as the fabrication technique to build binary devices (transistors). The construction of such devices yields gates that are able to perform Boolean operations and can be combined with computational systems, capable of storing, processing, and transmitting digital signals encoded as electron currents and charges.

Since the invention of the integrated circuits, microelectronics has reached increasing performances by decreasing strategically the size of its devices and systems, an approach known as scaling-down, which simultaneously allow the devices to operate at higher speeds. * Provides a theory-guided approach to the design of molecular and nano-electronics * Includes solutions for researchers working in this area *

Contributions from some of the most active researchers in the field of nano-electronics

Colour Image Science Apr 08 2021 The scope and importance of colour image science has grown rapidly in recent years. In parallel with the proliferation of consumer imaging products, the capabilities of colour displays, printers and digital cameras increase. New challenges for colour image science are emerging as cross-media image reproduction is applied in Internet and multimedia displays, motion pictures, digital television and augmented-reality systems. Colour Image Science takes an interdisciplinary approach, combining aspects of human vision with colour image capture, processing and reproduction: * Colour Vision - How we see and remember colours * Multispectral Imaging - Capturing and storing images in more than 3 channels * Image Processing - Correcting image colours

and accessing databases * Gamut Mapping - How to render colours in cross-media image reproduction * Image Quality - Metrics and methods for assessing images Colour Image Science will appeal to a wide readership, including scientists and engineers involved in the research and development of colour imaging products. It will also be a valuable reference text for post-graduate students in computer science, digital imaging and multimedia programmes.

Proceedings of First International Conference on Information and Communication Technology for Intelligent Systems: Volume 2 Oct 27 2022

This volume contains 60 papers presented at ICTIS 2015: International Conference on Information and Communication Technology for Intelligent Systems. The conference was held during 28th and 29th November, 2015, Ahmedabad, India and organized communally by Venus International College of Technology, Association of Computer Machinery, Ahmedabad Chapter and Supported by Computer Society of India Division IV - Communication and Division V - Education and Research. This volume contains papers mainly focused on ICT and its application for Intelligent Computing, Cloud Storage, Data Mining, Image Processing and Software Analysis etc.

Proceedings of Photodynamic

Therapy--mechanisms II Apr 20 2022

Digital Photogrammetry Nov 27 2022

Photogrammetry is the use of photography for surveying primarily and is used for the production of maps from aerial photographs. Along with remote sensing, it represents the primary means of generating data for Geographic Information Systems (GIS). As technology develops, it is becoming easier to gain access to it. The cost of digital photogrammetr

Surveying for Construction Nov 03 2020

Surveying for Construction 5e is an essential textbook for students of engineering new to surveying, and will also appeal to students of building and environmental studies and archaeology. Offering a strong grounding in land and construction surveying, the authors clearly and comprehensively guide the reader through the principles, methods and equipment used in modern-day surveying. Taking into account recent advances in the field, the material has been fully updated and revised throughout including new and up-to-date coverage of levelling, total stations, detail surveys, and EDM. A new chapter on GPS technology has been added. In keeping with the practical nature of the book, there are chapters on setting out construction works and surveying existing buildings, which guide the

reader step-by-step through the fundamental procedures. The clear and methodical nature of the explanations, supported by a wide range of exercises and examples, make Surveying for Construction 5e an invaluable and modern introduction to surveying. Key features include: • Fully updated coverage and new material throughout, including a new chapter on GPS • New Learning Objectives and Chapter Summaries which guide the student through the learning process and highlight the key principles and methods for each chapter • Numerous diagrams and figures which give students a clear and detailed understanding of equipment and procedures • Extensive boxed examples and exercises that guide students through real-world surveying methods and calculations • Website material: online material for creating your own surveying project allows students to practice the methods and techniques they have learnt

Geometry for Naval Architects Feb 28 2023

Geometry for Naval Architects is the essential guide to the principles of naval geometry. Formerly fragmented throughout various sources, the topic is now presented in this comprehensive book that explains the history and specific applications of modern naval architecture mathematics and techniques, including numerous examples, applications and

references to further enhance understanding. With a natural four-section organization (Traditional Methods, Differential Geometry, Computer Methods, and Applications in Naval Architecture), users will quickly progress from basic fundamentals to specific applications. Careful instruction and a wealth of practical applications spare readers the extensive searches once necessary to understand the mathematical background of naval architecture and help them understand the meanings and uses of discipline-specific computer programs. Explains the basics of geometry as applied to naval architecture, with specific practical applications included throughout the book for real-life insights Presents traditional methods and computational techniques (including MATLAB) Provides a wealth of examples in MATLAB and MultiSurf (a computer-aided design package for naval architects and engineers) Includes supplemental MATLAB and MultiSurf code available on a companion site

Digital Image Processing Aug 13 2021 Digital Image Processing has been the leading textbook in its field for more than 20 years. As was the case with the 1977 and 1987 editions by Gonzalez and Wintz, and the 1992 edition by Gonzalez and Woods, the present edition was prepared with students and instructors in

mind. The material is timely, highly readable, and illustrated with numerous examples of practical significance. All mainstream areas of image processing are covered, including a totally revised introduction and discussion of image fundamentals, image enhancement in the spatial and frequency domains, restoration, color image processing, wavelets, image compression, morphology, segmentation, and image description. Coverage concludes with a discussion of the fundamentals of object recognition. Although the book is completely self-contained, a Companion Website (see inside front cover) provides additional support in the form of review material, answers to selected problems, laboratory project suggestions, and a score of other features. A supplementary instructor's manual is available to instructors who have adopted the book for classroom use. New Features *New chapters on wavelets, image morphology, and color image

Pharmacology of Purine and Pyrimidine

Receptors Oct 03 2020 This is an overview of the fast-moving field of purinergic signalling through adenosine and ATP receptors. Authors are the leading authorities in their fields Subject matter is important for understanding tissue protection Subject matter is of intense

interest for new drug development

Color Gamut Mapping Sep 13 2021 Gamut mapping algorithms, implemented by color management systems, are an integral part of the color reproduction process. By adjusting the colors with appropriate algorithms, gamut mapping enables original colors to 'fit' inside differently shaped color gamuts and authentically transfers images across a range of media. This book illustrates the range of possible gamut mapping strategies for cross-media color reproduction, evaluates the performance of various options and advises on designing new, improved solutions. Starting with overviews of color science, reproduction and management, the text includes: a detailed survey of 90+ gamut mapping algorithms covering color-by-color reduction and expansion, spatial reduction, spectral reduction and gamut mapping for niche applications; a step-by-step example of a color's journey from original to reproduction, via a digital workflow; a detailed analysis of color gamut computation, including a comparison of alternative techniques and an illustration of the gamuts of salient color sets and media; a presentation of both measurement-based and psychovisual evaluation of individual color reproductions; an overview of alternative approaches to gamut mapping

proposed by the ISO and the CIE including an analysis of the building blocks of gamut mapping algorithms and the factors affecting their performance. Color Gamut Mapping is a comprehensive resource for practicing color and imaging engineers, scientists and researchers working in the development of imaging devices, software and solutions. It is also a valuable reference for students of color and imaging science, as well as photographers, graphic designers and artists.

Computer Vision Dec 29 2022 This comprehensive reference provides easy access to relevant information on all aspects of Computer Vision. An A-Z format of over 240 entries offers a diverse range of topics for those seeking entry into any aspect within the broad field of Computer Vision. Over 200 Authors from both industry and academia contributed to this volume. Each entry includes synonyms, a definition and discussion of the topic, and a robust bibliography. Extensive cross-references to other entries support efficient, user-friendly searches for immediate access to relevant information. Entries were peer-reviewed by a distinguished international advisory board, both scientifically and geographically diverse, ensuring balanced coverage. Over 3700 bibliographic references for further reading

enable deeper exploration into any of the topics covered. The content of *Computer Vision: A Reference Guide* is expository and tutorial, making the book a practical resource for students who are considering entering the field, as well as professionals in other fields who need to access this vital information but may not have the time to work their way through an entire text on their topic of interest.

Meat Is for Pussies Feb 25 2020 John Joseph wants men to know, in no uncertain terms, that they don't need to eat steak, burgers, wings, ribs, or any other animal product, for that matter, to be strong—in fact, he would argue, eating animals is for the weak. Because when your protein sources come from animals, you're missing out on all of the nutritional benefits of a plant-based diet—a diet that can make you more fit, more sexy, and more manly. In *Meat is for Pussies*, Joseph presents a throw-down of information, offering both personal and scientific evidence that a plant-based diet offers the best path to athleticism, endurance, strength, and overall health. In addition to handily dispelling the myths surrounding meat, Joseph offers workout advice, a meal plan, and recipes that make going plant-based easy. Flavor and vitamin-packed options like the Working Man Stew and

Veggie Chili with Cornbread will keep men's (and women's) bodies healthy and energized, while workouts that emphasize cardio and strength training build endurance and stamina and prove that you don't need meat to build muscle. Joseph also offers living proof that living a plant-based lifestyle is badass, from super-athlete Brendan Brazier to MMA champion Jake Shields to Joseph himself, who is an Ironman Triathlete and still rocking out (at the age of fifty-two) on world tours as the frontman for his legendary band the Cro-Mags. Joseph's passion for educating the world about the benefits of a plant-based diet comes through on each page, in a voice and a vocabulary that is uniquely his own. At the end of the day, he wants readers to live a long, healthy, happy life . . . and he won't take no for an answer.

Learning IPython for Interactive Computing and Data Visualization Mar 20 2022 You already use Python as a scripting language, but did you know it is also increasingly used for scientific computing and data analysis? Interactive programming is essential in such exploratory tasks and IPython is the perfect tool for that. Once you've learnt it, you won't be able to live without it."Learning IPython for Interactive Computing and Data Visualization" is a practical, hands-on,

example-driven tutorial to considerably improve your productivity during interactive Python sessions, and shows you how to effectively use IPython for interactive computing and data analysis. This book covers all aspects of IPython, from the highly powerful interactive Python console to the numerical and visualization features that are commonly associated with IPython. You will learn how IPython lets you perform efficient vectorized computations, through examples covering numerical simulations with NumPy, data analysis with Pandas, and visualization with Matplotlib. You will also discover how IPython can be conveniently used to optimize your code using parallel computing and dynamic compilation in C with Cython. "Learning IPython for Interactive Computing and Data Visualization" will allow you to optimize your productivity in interactive Python sessions.

Corporate Stewardship Jun 22 2022 Stewardship entails a profound understanding and acceptance of the challenges that result from the organization's interdependence with the societal and ecological contexts in which it operates—and of what it takes to embrace the challenges to be a force for building a viable future. This book dares to ask 'why' business leaders should embrace stewardship in the current market where profit reigns supreme. A

shift in approach represents fundamental change for the corporate world, and even the most advanced corporations consider themselves to be in the starting block of this transition. The book sets out the practical ways in which corporate stewardship can be achieved through embedding new approaches across the different functions of a business. This book, written by the leading thinkers in sustainability research, provides practical guidance on how companies can resolve the paradoxical challenges they face. How can they be at the same time profitable and responsible, effective and ethical, sustainable and adaptable? It explores what businesses are doing, what they can and should do to effectively respond to external challenges, and focuses on how leaders can create cultures, strategies, and designs far beyond "business as usual". Stewards must not only make proper current use of that which they hold in trust, they also must leave it in better condition for use by future generations. Corporate Stewardship challenges managers, executives, and directors of global corporations to think and act as stewards of both their organizations and the physical and social environments in which they operate.

Multimedia Information Extraction Feb 04 2021

The advent of increasingly large consumer

collections of audio (e.g., iTunes), imagery (e.g., Flickr), and video (e.g., YouTube) is driving a need not only for multimedia retrieval but also information extraction from and across media. Furthermore, industrial and government collections fuel requirements for stock media access, media preservation, broadcast news retrieval, identity management, and video surveillance. While significant advances have been made in language processing for information extraction from unstructured multilingual text and extraction of objects from imagery and video, these advances have been explored in largely independent research communities who have addressed extracting information from single media (e.g., text, imagery, audio). And yet users need to search for concepts across individual media, author multimedia artifacts, and perform multimedia analysis in many domains. This collection is intended to serve several purposes, including reporting the current state of the art, stimulating novel research, and encouraging cross-fertilization of distinct research disciplines. The collection and integration of a common base of intellectual material will provide an invaluable service from which to teach a future generation of cross disciplinary media scientists and engineers.

**Guidelines for the Evaluation of Gamut
Mapping Algorithms** Aug 01 2020

Manual of Psychosocial Rehabilitation Jun 10 2021 Psychosocial Rehabilitation is a comprehensive ready-reference for mental health practitioners and students, providing practical advice on the full range of interventions for psychosocial rehabilitation. It contextualises the interventions described and provides pointers to enable the reader to explore the theory and research. This manual recognises the wide-ranging impact of mental illness and its ramifications on daily life, and promotes a recovery model of psychosocial rehabilitation and aims to empower clinicians to engage their clients in tailored rehabilitation plans. The book is divided into five key sections. Section 1 looks at assessment covering tools available in the public domain, instruments, scoring systems, norms and applications for diagnosis and measurement of symptoms, cognitive functioning, impairment and recovery. Section 2 covers the full range of therapeutic interventions and offers advice on training and supervision requirements and evaluation of process, impact and outcome. Section 3 provides manuals and programs for intervention effectively provided as group activities. Section 4 explains how to design a

full programme that integrates therapeutic interventions with group programmes as well as services provided by other agencies. The final section looks at peer support and self help, providing manuals and resources that support programmes and interventions not requiring professional or practitioner direction.

Electronics and Circuit Analysis Using MATLAB

Nov 15 2021 The use of MATLAB is ubiquitous in the scientific and engineering communities today, and justifiably so. Simple programming, rich graphic facilities, built-in functions, and extensive toolboxes offer users the power and flexibility they need to solve the complex analytical problems inherent in modern technologies. The ability to use MATLAB effectively has become practically a prerequisite to success for engineering professionals. Like its best-selling predecessor, *Electronics and Circuit Analysis Using MATLAB, Second Edition* helps build that proficiency. It provides an easy, practical introduction to MATLAB and clearly demonstrates its use in solving a wide range of electronics and circuit analysis problems. This edition reflects recent MATLAB enhancements, includes new material, and provides even more examples and exercises. New in the Second Edition: Thorough revisions to the first three chapters that incorporate

additional MATLAB functions and bring the material up to date with recent changes to MATLAB. A new chapter on electronic data analysis. Many more exercises and solved examples. New sections added to the chapters on two-port networks, Fourier analysis, and semiconductor physics. MATLAB m-files available for download. Whether you are a student or professional engineer or technician, *Electronics and Circuit Analysis Using MATLAB, Second Edition* will serve you well. It offers not only an outstanding introduction to MATLAB, but also forms a guide to using MATLAB for your specific purposes: to explore the characteristics of semiconductor devices and to design and analyze electrical and electronic circuits and systems.

Microsoft Project 2010: The Missing Manual

May 29 2020 Microsoft Project is brimming with features to help you manage any project, large or small. But learning the software is only half the battle. What you really need is real-world guidance: how to prep your project before touching your PC, which Project tools work best, and which ones to use with care. This book explains it all, helping you go from project manager to project master. Get a project management primer. Discover what it takes to handle a project successfully. Learn the program inside out. Get step-by-step

instructions for Project Standard and Project Professional Build and refine your plan. Put together your team, schedule, and budget Achieve the results you want. Build realistic schedules, and learn how to keep costs under control Track your progress. Measure your performance, make course corrections, and manage changes Use Project's power tools. Customize Project's features and views, and transfer info directly between Project and other programs

Information and Communication Technology for Intelligent Systems (ICTIS 2017) - Volume 2

Oct 15 2021 This volume includes 73 papers presented at ICTIS 2017: Second International Conference on Information and Communication Technology for Intelligent Systems. The conference was held on 25th and 26th March 2017, in Ahmedabad, India and organized jointly by the Associated Chambers of Commerce and Industry of India (ASSOCHAM) Gujarat Chapter, the G R Foundation, the Association of Computer Machinery, Ahmedabad Chapter and supported by the Computer Society of India Division IV - Communication and Division V - Education and Research. The papers featured mainly focus on information and communications technology (ICT) and its applications in intelligent computing, cloud storage, data mining and software analysis. The fundamentals

of various data analytics and algorithms discussed are useful to researchers in the field.

Advanced Methods and Deep Learning in Computer Vision Jan 30 2023 Advanced Methods and Deep Learning in Computer Vision presents advanced computer vision methods, emphasizing machine and deep learning techniques that have emerged during the past 5-10 years. The book provides clear explanations of principles and algorithms supported with applications. Topics covered include machine learning, deep learning networks, generative adversarial networks, deep reinforcement learning, self-supervised learning, extraction of robust features, object detection, semantic segmentation, linguistic descriptions of images, visual search, visual tracking, 3D shape retrieval, image inpainting, novelty and anomaly detection. This book provides easy learning for researchers and practitioners of advanced computer vision methods, but it is also suitable as a textbook for a second course on computer vision and deep learning for advanced undergraduates and graduate students. Provides an important reference on deep learning and advanced computer methods that was created by leaders in the field Illustrates principles with modern, real-world applications Suitable for self-learning or as

a text for graduate courses

Physics for Scientists and Engineers Feb 16 2022 This best-selling, calculus-based text is recognized for its carefully crafted, logical presentation of the basic concepts and principles of physics. Raymond Serway, Robert Beichner, and contributing author John W. Jewett present a strong problem-solving approach that is further enhanced through increased realism in worked examples. Problem-solving strategies and hints allow students to develop a systematic approach to completing homework problems. The outstanding ancillary package includes full multimedia support, online homework, and a content-rich Web site that provides extensive support for instructors and students. The CAPA (Computer-assisted Personalized Approach), WebAssign, and University of Texas homework delivery systems give instructors flexibility in assigning online homework.

Of Gods and Monsters Jun 30 2020 While Universal's Dracula and Frankenstein (both 1931) have received the most coverage of any of the studio's genre releases, it is the lesser known films that have long fascinated fans and historians alike. Starting with The Last Warning, a 1929 movie released as both a silent and a talkie, Universal provided a decade of films that entertained audiences and

sometimes frustrated critics. Each of Universal's horror, science fiction and "twisted mystery" films receives an in-depth essay for each film. The focus is first on the background to the making of the movie and its place in the Universal catalog. A detailed plot synopsis with critical commentary follows. Filmographic data for the film conclude the entry. Universal's The Shadow short film series is covered in an appendix. Many rare illustrations and movie posters are also included.

Python Data Science Essentials Dec 05 2020
Become an efficient data science practitioner by understanding Python's key concepts About This Book Quickly get familiar with data science using Python 3.5 Save time (and effort) with all the essential tools explained Create effective data science projects and avoid common pitfalls with the help of examples and hints dictated by experience Who This Book Is For If you are an aspiring data scientist and you have at least a working knowledge of data analysis and Python, this book will get you started in data science. Data analysts with experience of R or MATLAB will also find the book to be a comprehensive reference to enhance their data manipulation and machine learning skills. What You Will Learn Set up your data science toolbox using a

Python scientific environment on Windows, Mac, and Linux Get data ready for your data science project Manipulate, fix, and explore data in order to solve data science problems Set up an experimental pipeline to test your data science hypotheses Choose the most effective and scalable learning algorithm for your data science tasks Optimize your machine learning models to get the best performance Explore and cluster graphs, taking advantage of interconnections and links in your data In Detail Fully expanded and upgraded, the second edition of Python Data Science Essentials takes you through all you need to know to succeed in data science using Python. Get modern insight into the core of Python data, including the latest versions of Jupyter notebooks, NumPy, pandas and scikit-learn. Look beyond the fundamentals with beautiful data visualizations with Seaborn and ggplot, web development with Bottle, and even the new frontiers of deep learning with Theano and TensorFlow. Dive into building your essential Python 3.5 data science toolbox, using a single-source approach that will allow to to work with Python 2.7 as well. Get to grips fast with data munging and preprocessing, and all the techniques you need to load, analyse, and process your data. Finally, get a complete overview of principal machine learning

algorithms, graph analysis techniques, and all the visualization and deployment instruments that make it easier to present your results to an audience of both data science experts and business users. Style and approach The book is structured as a data science project. You will always benefit from clear code and simplified examples to help you understand the underlying mechanics and real-world datasets.

Mobile Web 2.0 Dec 17 2021 From basic concepts to research grade material, *Mobile Web 2.0: Developing and Delivering Services to Mobile Devices* provides complete and up-to-date coverage of the range of technical topics related to Mobile Web 2.0. It brings together the work of 51 pioneering experts from around the world who identify the major challenges in Mobile Web 2.0 applications and provide authoritative insight into many of their own innovations and advances in the field. To help you address contemporary challenges, the text details a conceptual framework that provides modeling facilities for context-aware, multi-channel Web applications. It compares various platforms for developing mobile services—from the developer and user perspectives—and explains how to use high-level modeling constructs to drive the application development process through automatic code generation. Proposes an expanded model of

mobile application context Explores mobile social software as an Information and Communications Technology (ICT) Discusses the effect of context on mobile usability Through empirical study, the book tests a number of hypotheses on the use of software implementation technology and location context in mobile applications. It introduces Reusable End-User Customization (REUC)—a technique that allows users to adapt the layout of Web pages and automatically reapplies those preferences on subsequent visits. It also investigates the need for non-visual feedback with long system response times, particularly when downloading Web pages to mobile devices.

Android User Interface Development Jan 24 2020 Quickly design and develop compelling user interfaces for your Android applications.

Intelligent Computing, Communication and Devices Jan 18 2022 In the history of mankind, three revolutions which impact the human life are tool-making revolution, agricultural revolution and industrial revolution. They have transformed not only the economy and civilization but the overall development of the human society. Probably, intelligence revolution is the next revolution, which the society will perceive in the next 10 years. ICCD-2014 covers all dimensions of intelligent sciences, i.e. Intelligent Computing,

Intelligent Communication and Intelligent Devices. This volume covers contributions from Intelligent Computing, areas such as Intelligent and Distributed Computing, Intelligent Grid & Cloud Computing, Internet of Things, Soft Computing and Engineering Applications, Data Mining and Knowledge discovery, Semantic and Web Technology, and Bio-Informatics. This volume also covers paper from Intelligent Device areas such as Embedded Systems, RFID, VLSI Design & Electronic Devices, Analog and Mixed-Signal IC Design and Testing, Solar Cells and Photonics, Nano Devices and Intelligent Robotics.

Robotics Research Trends Sep 25 2022 Robotics began as a science fiction creation which has become quite real, first in assembly line operations such as automobile manufacturing, aeroplane construction etc. They have now reached such areas as the internet, ever-multiplying-medical uses and sophisticated military applications. Control of today's robots is often remote which requires even more advanced computer vision capabilities as well as sensors and interface techniques. Learning has become crucial for modern robotic systems as well. This new book presents the latest research in the field.

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