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Microsoft Office Professional 2013
Popular Photography
Soil Physics with HYDRUS
The ChemSep Book
3D Recording and Interpretation for Maritime Archaeology
Canon EOS Rebel T6i / 750D For Dummies

Manual of Digital Earth

Over the past decade the world's technological and industrial base has become increasingly dependent on advanced materials. There is every indication that this trend will accelerate and that progress in many areas will increasingly depend on the development of new materials and processing techniques. A second and equally significant trend is the continuing ascent of the information technologies, which now touch almost every aspect of life in some way. In this environment it is natural that there is a strong interest in using numerical modeling in materials science. With its extreme accuracy and reasonable computational efficiency, the linearized augmented plane wave (LAPW) method has emerged as the standard by which density functional calculations for transition metal and rare-earth containing materials are judged. Planewaves, Pseudopotentials and the LAPW Method presents a thorough and self-contained exposition of the LAPW method, making this powerful technique more accessible to researchers and students who have some familiarity with local density approximation calculations. Theory is discussed, but the emphasis is on how practical implementation proceeds. In addition, the author suggests future directions for adapting the LAPW method to simulations of complex materials requiring large unit cells. He does this by elucidating the connections between the LAPW method and planewave pseudopotential approaches and by showing how Car--Parrinello type algorithms can be adapted to the LAPW method. Planewaves, Pseudopotentials and the LAPW Method is a valuable resource for researchers already involved in electronic structure calculations, as well as for newcomers seeking quick mastery of the LAPW technique.

Canon EOS Rebel T3/1100D For Dummies

Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises (with solutions for lecturers) are also available through the book's supporting website to help course instructors prepare their lectures.

Twenty Fathoms Down

Advanced Multibody System Dynamics

Rantoul and the former Chanute Air Force Base are inseparably intertwined as primary players in a single historical narrative. Rantoul was first founded as an agriculturally based community in 1848 near an area known as Mink Grove. The settlement boomed with the coming of the Illinois Central Railroad in 1854; a railroad championed by the town's namesake, Robert Rantoul Jr. Disaster followed in 1899 and again in 1901 with devastating fires. Then, in 1917, a U.S. Army flying field was built on the outskirts of Rantoul. Named after the aviation pioneer Octave Chanute, Chanute Field, later Chanute Air Force Base, became a premier technical training facility. A mutually beneficial relationship quickly developed between these civilian and military establishments that would last for over 75 years. Chanute Air Force Base closed in 1993, ushering in yet another new era for the village of Rantoul.

Destroy Your Life: U. S Marijuana Laws

This open access book offers a summary of the development of Digital Earth over the past twenty years. By reviewing the initial vision of Digital Earth, the evolution of that vision, the relevant key technologies, and the role of Digital Earth in helping people respond to global challenges, this publication reveals how and why Digital Earth is becoming vital for acquiring, processing, analysing and mining the rapidly growing volume of global data sets about the Earth. The main aspects of Digital Earth covered here include: Digital Earth platforms, remote sensing and navigation satellites, processing

and visualizing geospatial information, geospatial information infrastructures, big data and cloud computing, transformation and zooming, artificial intelligence, Internet of Things, and social media. Moreover, the book covers in detail the multi-layered/multi-faceted roles of Digital Earth in response to sustainable development goals, climate changes, and mitigating disasters, the applications of Digital Earth (such as digital city and digital heritage), the citizen science in support of Digital Earth, the economic value of Digital Earth, and so on. This book also reviews the regional and national development of Digital Earth around the world, and discusses the role and effect of education and ethics. Lastly, it concludes with a summary of the challenges and forecasts the future trends of Digital Earth. By sharing case studies and a broad range of general and scientific insights into the science and technology of Digital Earth, this book offers an essential introduction for an ever-growing international audience.

Popular Photography

Handbook to IEEE Standard 45

This guidance covers the practical application of photogrammetry in recording cultural heritage, with particular reference to structure from motion (SfM) techniques. Our audience for this document includes survey contractors, archaeological contractors, voluntary organisations and specialists. Photogrammetric image acquisition and processing, until recently requiring a considerable investment in hardware and software, are now possible at a fraction of their former cost. This has led to a huge increase in the use of photogrammetry in cultural heritage recording. The skills required to apply the techniques successfully and accurately are discussed, and background information on how various parts of the process work is provided so that better results can be achieved through better understanding. Photogrammetry is characterised by its versatility, and is applicable over a wide range of scales, from landscapes to small objects. The particular requirements needed at these different scales are outlined, and both imaging techniques and useful ancillary equipment are described. The different types of outputs are discussed, including their suitability for further interrogation using a range of established analytical techniques and the presentation options available. A range of case studies illustrates the application of photogrammetry across a variety of projects that broadly reflect the areas discussed in the text. This document is one of a number of Historic England technical advice documents on how to survey historic places.

Algorithms and Data Structures for External Memory

This book constitutes the refereed proceedings of the 30th International Conference, ISC High Performance 2015, [formerly known as the International Supercomputing Conference] held in Frankfurt, Germany, in July 2015. The 27 revised full papers

presented together with 10 short papers were carefully reviewed and selected from 67 submissions. The papers cover the following topics: cost-efficient data centers, scalable applications, advances in algorithms, scientific libraries, programming models, architectures, performance models and analysis, automatic performance optimization, parallel I/O and energy efficiency.

Flood Hydrology Manual

This important new book takes a critical view on regional industry clusters, in particular their identification and formation, and the policies which help create and support them.

Canon EOS Rebel Ti EOS 300V

An Introduction to Reservoir Simulation Using MATLAB/GNU Octave

The German Research Council (DFG) decided 1987 to establish a nationwide five year research project devoted to dynamics of multibody systems. In this project universities and research centers cooperated with the goal to develop a general purpose multibody system software package. This concept provides the opportunity to use a modular structure of the software, i.e. different multibody formalisms may be combined with different simulation programmes via standardized interfaces. For the DFG project the database RSYST was chosen using standard FORTRAN 77 and an object oriented multibody system datamodel was defined. The project included • research on the fundamentals of the method of multibody systems, • concepts for new formalisms of dynamical analysis, • development of efficient numerical algorithms and • realization of a powerful software package of multibody systems. These goals required an interdisciplinary cooperation between mathematics, computer science, mechanics, and control theory. ix X After a rigorous reviewing process the following research institutions participated in the project (under the responsibility of leading scientists): Technical University of Aachen (Prof. G. Sedlacek) Technical University of Darmstadt (Prof. P. Hagedorn) University of Duisburg M. Hiller) (Prof.

Rantoul and Chanute Air Force Base

This IBM® Redbooks® publication will help you design and manage an end-to-end, extended distance connectivity architecture for IBM System z®. This solution addresses your requirements now, and positions you to make effective use of new technologies in the future. Many enterprises implement extended distance connectivity in a silo manner. However, effective extended distance solutions require the involvement of different teams within an organization. Typically there is a

network group, a storage group, a systems group, and possibly other teams. The intent of this publication is to help you design and manage a solution that will provide for all of your System z extended distance needs in the most effective and flexible way possible. This book introduces an approach to help plan, optimize, and maintain all of the moving parts of the solution together.

Advanced Smart Grid Functionalities Based on PowerFactory

The Asahi Pentax Book

The book presents in a clear and concise manner the fundamentals of chemical reaction engineering. The structure of the book allows the student to solve reaction engineering problems through reasoning rather than through memorization and recall of numerous equations, restrictions, and conditions under which each equation applies. The fourth edition contains more industrial chemistry with real reactors and real engineering and extends the wide range of applications to which chemical reaction engineering principles can be applied (i.e., cobra bites, medications, ecological engineering)

Instruction Manual

This IBM® Redbooks® publication describes data migrations between IBM DS8000® storage systems, where in most cases one or more older DS8000 models are being replaced by the newer DS8870 model. Most of the migration methods are based on the DS8000 Copy Services. The book includes considerations for solutions such as IBM Tivoli® Productivity Center for Replication and the IBM Geographically Dispersed Parallel Sysplex™ (GDPS®) used in IBM z/OS® environments. Both offerings are primarily designed to enable a disaster recovery using DS8000 Copy Services. In most data migration cases, Tivoli Productivity Center for Replication or GDPS will not directly provide functions for the data migration itself. However, this book explains how to bring the new migrated environment back into the control of GDPS or Tivoli Productivity Center for Replication. In addition to the Copy Services based migrations, the book also covers host-based mirroring techniques, using IBM Transparent Data Migration Facility (TDMF®) for z/OS and the z/OS Dataset Mobility Facility (zDMF).

28th International Symposium on Shock Waves

Daring and defiant there's no stopping diver Hawk Ridley as he takes the plunge into a briny world of untold riches and danger. The Caribbean is a fortune hunter's dream, salted with the gold of galleons long ago claimed by the deep. Now Hawk's headed for the Windward Passage of Haiti to stake his claim. But a rival team has also picked up the scent, and

they're willing to turn the sea red with blood to get to the gold first. Fighting off ruthless competitors is nothing new to Hawk but fighting off a beautiful woman is a different story. Is she an innocent stowaway or a seductive saboteur? Between the cool millions lying on the bottom of the ocean, and the boiling-hot race to grab it, Hawk's about to find the answer and make a discovery Twenty Fathoms Down that will blow you out of the water. "Primo Pulp Fiction." —Booklist

Planewaves, Pseudopotentials and the LAPW Method

Presents a guide to Office Professional 2013, describing such tasks as creating documents, spreadsheets, and slide presentations; managing email; and organizing notes, covering the Microsoft programs Word, Excel, Access, OneNote, Publisher, Outlook, and PowerPoint.

Time-lapse Photography: A Complete Introduction to Shooting, Processing, and Rendering Time-lapse Movies with a DSLR Camera

Destroy Your Life-U.S. Marijuana Law gives you the legal armaments with which to make an informed decision about marijuana cultivation. Chris Kovach's book contains the most important things about marijuana law that a user/would be marijuana cultivator must know. Many books about marijuana law discuss things that a person facing prosecution doesn't need to know. If you want first-hand legal system expertise, combined with factual statute information, this book is for you.

Structure from Motion in the Geosciences

A complete introduction to shooting, processing and rendering time-lapse movies with a DSLR camera. Written for new and intermediate DSLR users and time-lapse photographers this guide offers a detailed and easy to follow photo rich workflow to capture and produce great time-lapse movies.

Popular Photography

Magic Lantern Guides: the most popular, most respected camera manuals in the world. "If you can't find the instruction manual for your camera, or just want to learn more about it, Magic Lantern Guides are available for many current and out-of-production SLRs. [They] provide information on the camera, how to use its features, accessories, and general how-to-information on photography, all in a convenient 5 x 7.5 inch package."--Photographic "Packed with diagrams, instructions, and tips."--Outdoor Photographer "These books are essential gear, whether you own the equipment, are thinking about buying it, or just want to know how it works." --Shutterbug Magazine. More informative and user-friendly than any

manufacturer's instruction book, the Magic Lantern guides show the way to sophisticated picture-taking. This latest entry in the series focuses on the brand-new Canon EOS Rebel Ti (EOS 300V outside of North America). The Rebel series of autofocus SLR cameras is already popular, and this new model is even lighter, faster and easier to operate--perfect for amateurs.

Popular Photography

This book has been developed from its earlier and far less formal presentment as the proceedings of a symposium entitled The Biochemistry of S-Adenosylmethionine as a Basis for Drug Design that was held at the Solstrand Fjord Hotel in Bergen, Norway on June 30-July 4, 1985. The purpose of the symposium was to bring together scientists from various disciplines (biochemistry, pharmacology, virology, immunology, chemistry, medicine, and so on) to discuss the recent advances that have been made in our understanding of the biological roles of S adenosylmethionine (AdoMet) and to discuss the feasibility of utilizing AdoMet-dependent enzymes as targets for drug design. Thus the information provided herein will be of value not only to basic scientists involved in elucidating the role of AdoMet in biology, but also to medicinal chemists who are using this basic knowledge in the process of drug design. The volume should also be of interest to pharmacologists and clinicians involved in biological evaluation of potential therapeutic agents arising from the efforts of the biochemists and medicinal chemists. Each plenary speaker at the symposium was requested to submit a chapter reviewing recent contributions of their discipline to our base of knowledge about the biological role of AdoMet. Topics covered in this volume include protein and phospholipid methylations (Section A), nucleic acid methyl ations (Section B), the regulation of AdoMet, S-adenosylhomocysteine, and methylthioadenosine metabolism (Section C), clinical aspects of AdoMet (Section D), and the design, synthesis, and biological evaluation of trans methylation inhibitors (Section E).

Proceedings of IMAC-XIX

The Economics of Regional Clusters

The perfect guide to get you up and running with your new Canon dSLR camera The Canon EOS Rebel T3/1100D is a popular dSLR camera for those moving up from point-and-shoot for the first time. This full-color guide explains all the buttons, dials, and menus, helping you understand your camera and start using all its features. Plenty of colorful photos from the author's portfolio illustrate what you can achieve. The book covers shooting in auto mode, using the onboard controls, working with Live View, and managing exposure, focus, color, and lighting. It also addresses specific shooting situations, how to get your images from the camera to the computer, and tips on editing and sharing your photos. Canon's

Rebel T3/1100D is a popular starter camera for those moving from point-and-shoot to SLR; this book helps dSLR newcomers understand and use all the controls Covers using all the dials, menus, and modes; working with Live View and playback; dialing in exposure and managing lighting; and shooting in auto mode Explains how to get the best images in various situations Addresses how to get images from the camera to the computer, editing techniques, and how to print photos or post them online Full-color photos from the author's collection show what you can achieve Anyone moving up to dSLR photography with the Canon T3/1100D will gain skill and confidence from this easy-to-follow guide.

DS8870 Data Migration Techniques

Structure from Motion with Multi View Stereo provides hyperscale landform models using images acquired from standard compact cameras and a network of ground control points. The technique is not limited in temporal frequency and can provide point cloud data comparable in density and accuracy to those generated by terrestrial and airborne laser scanning at a fraction of the cost. It therefore offers exciting opportunities to characterise surface topography in unprecedented detail and, with multi-temporal data, to detect elevation, position and volumetric changes that are symptomatic of earth surface processes. This book firstly places Structure from Motion in the context of other digital surveying methods and details the Structure from Motion workflow including available software packages and assessments of uncertainty and accuracy. It then critically reviews current usage of Structure from Motion in the geosciences, provides a synthesis of recent validation studies and looks to the future by highlighting opportunities arising from developments in allied disciplines. This book will appeal to academics, students and industry professionals because it balances technical knowledge of the Structure from Motion workflow with practical guidelines for image acquisition, image processing and data quality assessment and includes case studies that have been contributed by experts from around the world.

System z End-to-End Extended Distance Guide

The University of Manchester hosted the 28th International Symposium on Shock Waves between 17 and 22 July 2011. The International Symposium on Shock Waves first took place in 1957 in Boston and has since become an internationally acclaimed series of meetings for the wider Shock Wave Community. The ISSW28 focused on the following areas: Blast Waves, Chemically Reacting Flows, Dense Gases and Rarefied Flows, Detonation and Combustion, Diagnostics, Facilities, Flow Visualisation, Hypersonic Flow, Ignition, Impact and Compaction, Multiphase Flow, Nozzle Flow, Numerical Methods, Propulsion, Richtmyer-Meshkov, Shockwave Boundary Layer Interaction, Shock Propagation and Reflection, Shock Vortex Interaction, Shockwave Phenomena and Applications, as well as Medical and Biological Applications. The two Volumes contain the papers presented at the symposium and serve as a reference for the participants of the ISSW 28 and individuals interested in these fields.

Photogrammetric Applications for Cultural Heritage

Algorithms and Data Structures for External Memory describes several useful paradigms for the design and implementation of efficient external memory (EM) algorithms and data structures. The problem domains considered include sorting, permuting, FFT, scientific computing, computational geometry, graphs, databases, geographic information systems, and text and string processing.

Elements of Chemical Reaction Engineering

Modern Photography

Fault Tree Handbook

Presents numerical methods for reservoir simulation, with efficient implementation and examples using widely-used online open-source code, for researchers, professionals and advanced students. This title is also available as Open Access on Cambridge Core.

Popular Photography

Since 1975, a short course entitled "System Safety and Reliability Analysis" has been presented to over 200 NRC personnel and contractors.

Graphics Programming in Icon

No publisher description provided for this product.

Biological Methylation and Drug Design

High Performance Computing

Numerical models have become much more efficient, making their application to problems increasingly widespread. User-friendly interfaces make the setup of a model much easier and more intuitive while increased computer speed can solve difficult problems in a matter of minutes. Co-authored by the software's creator, Dr. Jirka Šimůnek, *Soil Physics with HYDRUS: Modeling and Applications* demonstrates one- and two-dimensional simulations and computer animations of numerical models using the HYDRUS software. Classroom-tested at the University of Georgia by Dr. David Radcliffe, this volume includes numerous examples and homework problems. It provides students with access to the HYDRUS-1D program as well as the Rosetta Module, which contains large volumes of information on the hydraulic properties of soils. The authors use HYDRUS-1D for problems that demonstrate infiltration, evaporation, and percolation of water through soils of different textures and layered soils. They also use it to show heat flow and solute transport in these systems, including the effect of physical and chemical nonequilibrium conditions. The book includes examples of two-dimensional flow in fields, hillslopes, boreholes, and capillary fringes using HYDRUS (2D/3D). It demonstrates the use of two other software packages, RETC and STANMOD, that complement the HYDRUS series. Hands-on use of the windows-based codes has proven extremely effective when learning the principles of water and solute movement, even for users with very little direct knowledge of soil physics and related disciplines and with limited mathematical expertise. Suitable for teaching an undergraduate or lower level graduate course in soil physics or vadose zone hydrology, the text can also be used for self-study on how to use the HYDRUS models. With the information in this book, you can run models for different scenarios and with different parameters, and thus gain a better understanding of the physics of water flow and contaminant transport.

Introduction to Information Retrieval

This book consolidates some of the most promising advanced smart grid functionalities and provides a comprehensive set of guidelines for their implementation/evaluation using DlgSILENT Power Factory. It includes specific aspects of modeling, simulation and analysis, for example wide-area monitoring, visualization and control, dynamic capability rating, real-time load measurement and management, interfaces and co-simulation for modeling and simulation of hybrid systems. It also presents key advanced features of modeling and automation of calculations using PowerFactory, such as the use of domain-specific (DSL) and DlgSILENT Programming (DPL) languages, and utilizes a variety of methodologies including theoretical explanations, practical examples and guidelines. Providing a concise compilation of significant outcomes by experienced users and developers of this program, it is a valuable resource for postgraduate students and engineers working in power-system operation and planning.

Microsoft Office Professional 2013

Get picture-perfect shots with your Canon EOS Rebel T6i/750D Your Canon EOS Rebel T6i/750D is capable of taking

incredibly cool and truly frame-worthy photos, but unless you know how use it properly your pictures won't be worth a thousand words. Luckily, Canon EOS Rebel T6i/750D For Dummies is packed with the tips, tricks, and instruction you'd gain in a photography course to take the intimidation out of working with your new camera—so you can start taking stunning photos right away. Assuming no prior experience in photography, this book gets you up to speed on core photography concepts, then shows you how to grasp using the features specific to the Canon EOS Rebel T6i/750D, like working in automatic mode, controlling exposure, selecting the best lens for the job, using shutter and aperture priority modes, knowing how and when to use flash, and so much more. Whether you're looking to capture lovely landscapes, perfect portraits, awesome action shots—or anything in between—the friendly guidance you'll find inside offers everything you need to get the shot...every time. Get started in automatic mode before working up to advanced features Take control of your camera's exposure, lighting, color, and focus settings Shoot better portraits and action shots Get great shots every time—even in low light and when composing close-ups Complemented by online supplements that cover the unique features of the companion T6i/750D at dummies.com, this hands-on guide will take your pictures from bland to beautiful in a flash!

Popular Photography

Soil Physics with HYDRUS

The ChemSep Book

IEEE 45-2002 is an excellent standard, which is widely used for selecting shipboard electrical and electronic system equipment and its installation. The standard is a living document often interpreted differently by different users. Handbook to IEEE Standard 45: A Guide to Electrical Installations on Shipboard provides a detailed background of the changes in IEEE Std 45-2002 and the reasoning behind the changes as well as explanation and adoption of other national and international standards. It contains the complete text of IEEE 45-2002 relevant clauses, along with explanatory commentary consisting of: - Recommendation intent and interpretation - Historical perspective - Application - Supporting illustrations, drawings and tables This Handbook provides necessary technical details in a simplified form to enhance understanding of the requirements for technical and non-technical people in the maritime industry.

3D Recording and Interpretation for Maritime Archaeology

Canon EOS Rebel T6i / 750D For Dummies

This open access peer-reviewed volume was inspired by the UNESCO UNITWIN Network for Underwater Archaeology International Workshop held at Flinders University, Adelaide, Australia in November 2016. Content is based on, but not limited to, the work presented at the workshop which was dedicated to 3D recording and interpretation for maritime archaeology. The volume consists of contributions from leading international experts as well as up-and-coming early career researchers from around the globe. The content of the book includes recording and analysis of maritime archaeology through emerging technologies, including both practical and theoretical contributions. Topics include photogrammetric recording, laser scanning, marine geophysical 3D survey techniques, virtual reality, 3D modelling and reconstruction, data integration and Geographic Information Systems. The principal incentive for this publication is the ongoing rapid shift in the methodologies of maritime archaeology within recent years and a marked increase in the use of 3D and digital approaches. This convergence of digital technologies such as underwater photography and photogrammetry, 3D sonar, 3D virtual reality, and 3D printing has highlighted a pressing need for these new methodologies to be considered together, both in terms of defining the state-of-the-art and for consideration of future directions. As a scholarly publication, the audience for the book includes students and researchers, as well as professionals working in various aspects of archaeology, heritage management, education, museums, and public policy. It will be of special interest to those working in the field of coastal cultural resource management and underwater archaeology but will also be of broader interest to anyone interested in archaeology and to those in other disciplines who are now engaging with 3D recording and visualization.

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