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Optical System Design, Second Edition
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Introducing Autodesk Maya 2013
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Fundamentals of Metal-Matrix Composites
Image and Video Retrieval
The Chloroplast: From Molecular Biology to Biotechnology
An Inquiry Into the Ethnic Resolution of Mesolithic Regional Groups
LIGHTWAVE V9 TEXTURING

DAISY LOVE

Introducing Maya 8 John Wiley & Sons
 This book focuses on complex geometry and covers highly active topics centered around geometric problems in several complex variables and complex dynamics, written by some of the world's leading experts in their respective fields. This book features research and expository contributions from the 2013 Abel Symposium, held at the Norwegian University of Science and Technology Trondheim on July 2-5, 2013. The purpose of the symposium was to present the state of the art on the topics, and to discuss future research directions.

Fourier Optics and Computational Imaging Wordware Publishing, Inc.
 LightWave v9 Texturing takes you behind the fine art of surfacing your 3D objects using LightWave 3D. Because many artists find texturing and prepping objects for texturing intimidating or confusing, this book breaks down the process and makes it easier to understand by guiding you through LightWave's powerful surfacing toolset and a number of helpful tutorials. LightWave v9 Texturing also demonstrates how easy it is to create surfaces using LightWave's new, powerful node-based shading system. With this book go beyond texturing theory to find out what makes a great realistic texture; learn how to build textures using both LightWave's classic layer system and the new Node Editor; discover how to unwrap and edit UV maps; find out how to create a variety of surfaces through a series of tutorials; enhance your surfaces with gradients, image maps, and procedural textures.
LightWave 3D 8 Texturing John Wiley & Sons

The book consists of 35 extended chapters which have been selected and invited from the submissions to the 4th International Conference on Computational Collective Intelligence Technologies and Applications (ICCCI 2012) held on November 28-30, 2012 in Ho Chi Minh City, Vietnam. The book is organized into six parts, which are semantic web and ontologies, social networks and e-learning, agent and multiagent systems, data mining methods and applications, soft computing, and optimization and control, respectively. All chapters in the book discuss theoretical and practical issues connected with computational collective intelligence and related technologies. The editors hope that the book can be useful for graduate and Ph.D. students in Computer Science, in particular participants in courses on Soft Computing, Multiagent Systems, and Data Mining. This book can be also useful for researchers working on the concept of computational collective intelligence in artificial populations. It is the hope of the editors that readers of this volume can find many inspiring ideas and use them to create new cases of intelligent collectives. Many such challenges are suggested by particular approaches and models presented in individual chapters of this book. The editors hope that readers of this volume can find many inspiring ideas and influential practical examples and use them in their future work.

Clearly Different Video Surveillance Solutions Springer Science & Business Media

This book represents a significant contribution to the area of earthquake data processing and to the development of region-specific magnitude correlations to create an up-to-date homogeneous

earthquake catalogue that is uniform in magnitude scale. The book discusses seismicity analysis and estimation of seismicity parameters of a region at both finer and broader levels using different methodologies. The delineation and characterization of regional seismic source zones which requires reasonable observation and engineering judgement is another subject covered. Considering the complex seismotectonic composition of a region, use of numerous methodologies (DSHA and PSHA) in analyzing the seismic hazard using appropriate instruments such as the logic tree will be elaborated to explicitly account for epistemic uncertainties considering alternative models (for Source model, Mmax estimation and Ground motion prediction equations) to estimate the PGA value at bedrock level. Further, VS30 characterization based on the topographic gradient, to facilitate the development of surface level PGA maps using appropriate amplification factors, is discussed. Evaluation of probabilistic liquefaction potential is also explained in the book. Necessary backgrounds and contexts of the aforementioned topics are elaborated through a case study specific to India which features spatiotemporally varied and complex tectonics. The methodology and outcomes presented in this book will be beneficial to practising engineers and researchers working in the fields of seismology and geotechnical engineering in particular and to society in general.

Optoelectronics, Instrumentation and Data Processing Springer

A complete update to the popular Autodesk Official Training Guide for Maya Maya is the industry-leading 3D animation and effects software used in movies, visual effects, games, cartoons,

and other animation. This bestselling, official guide is a must for 3D beginners who want a thorough grounding in this dynamic and complex software. Fully updated for the newest version of Maya, the book explains the interface and the basics of modeling, texturing, animating, dynamics, visualization, and visual effects. Fun and challenging tutorials lead you through the nuances of the software and offer plenty of chances to practice what you've learned. The Autodesk Official Training Guide for Maya, endorsed and promoted by Autodesk to its 2,500 Authorized Training Centers worldwide Maya is the 3D animation and effects software used in the film, game, and advertising industries; it's a complex program and this book gives beginners the knowledge and confidence they need Shows how to master the interface and the basics of modeling, texturing, animating, and visual effects Step-by-step tutorials offer realistic, professional challenges for those new to 3D and those switching from another 3D application Materials are available for instructors who want to use this guide with their students Introducing Autodesk Maya is the perfect guide to get you up and running on the world's most popular professional 3D application.

Complex Geometry and Dynamics

CRC Press

This book presents principles and applications to expand the storage space from 2-D to 3-D and even multi-D, including gray scale, color (light with different wavelength), polarization and coherence of light. These actualize the improvements of density, capacity and data transfer rate for optical data storage. Moreover, the applied implementation technologies to make mass data storage devices are described

systematically. Some new mediums, which have linear absorption characteristics for different wavelength and intensity to light with high sensitivity, are introduced for multi-wavelength and multi-level optical storage. This book can serve as a useful reference for researchers, engineers, graduate and undergraduate students in material science, information science and optics.

NASA Technical Translation Springer
Based on feedback, the authors have streamlined their bestselling reference to zero in on just the clinical answers ophthalmologists need in day-to-day practice. This new edition presents unparalleled guidance on nearly every ophthalmic condition and procedure.
Structure Birkhäuser

Here are the refereed proceedings of the 5th International Conference on Image and Video Retrieval, CIVR 2006, held in Singapore in July 2006. Presents 18 revised full papers and 30 poster papers, together with extended abstracts of 5 papers of 1 special session and those of 10 demonstration papers. These cover interactive image and video retrieval, semantic image retrieval, visual feature analysis, learning and classification, image and video retrieval metrics, and machine tagging.

Multi-dimensional Optical Storage
Springer

Make workplace conflict resolution a game that EVERYBODY wins! Recent studies show that typical managers devote more than a quarter of their time to resolving coworker disputes. The Big Book of Conflict-Resolution Games offers a wealth of activities and exercises for groups of any size that let you manage your business (instead of managing personalities). Part of the acclaimed, bestselling Big Books series, this guide

offers step-by-step directions and customizable tools that empower you to heal rifts arising from ineffective communication, cultural/personality clashes, and other specific problem areas—before they affect your organization's bottom line. Let The Big Book of Conflict-Resolution Games help you to: Build trust Foster morale Improve processes Overcome diversity issues And more Dozens of physical and verbal activities help create a safe environment for teams to explore several common forms of conflict—and their resolution. Inexpensive, easy-to-implement, and proved effective at Fortune 500 corporations and mom-and-pop businesses alike, the exercises in The Big Book of Conflict-Resolution Games delivers everything you need to make your workplace more efficient, effective, and engaged.

Technical Abstract Bulletin Springer
Science & Business Media

For over fifty years, we at Speco Technologies have dedicated ourselves to providing the latest innovations in video surveillance and electronic accessories, as well as the highest quality audio products for residential and commercial use. We have committed ourselves to providing affordable, dependable merchandise, delivering exceptional customer service, and offering extensive product training, technical and marketing support. We want our customers to grow with us and move forward.

Resolution of Singularities Elsevier

If you're just beginning to dive into the world of 3D, this is the book for you." ?Animation Magazine The Academy Award® winning Maya® 3D animation and effects software is the first choice of film and video artists, game developers, and 3D design professionals. Discover

how to build, render, and animate your own digital models and scenes, and begin to develop professional-level Maya skills with the latest edition of this popular bestseller. Starting with the basics, the book builds from the ground up, combining straightforward text with practical examples that make it fun and easy to learn Maya's core features while introducing new Maya 8 elements such as improved polygon tools and enhanced rendering with mental ray. Clear-cut, engaging lessons let you experiment using the wealth of files provided on the CD-ROM. You'll also find an abundance of instructional and inspirational Maya creations in the full-color insert. The accompanying CD-ROMs images, movies, and scene files let you view material from the book right on your own computer. Tackle all-new rendering and dynamics tutorials and much more. The CD includes Maya Personal Learning Edition software.

Crystallography in Molecular Biology BRILL

This book covers both the mathematics of inverse problems and optical systems design, and includes a review of the mathematical methods and Fourier optics. The first part of the book deals with the mathematical tools in detail with minimal assumption about prior knowledge on the part of the reader. The second part of the book discusses concepts in optics, particularly propagation of optical waves and coherence properties of optical fields that form the basis of the computational models used for image recovery. The third part provides a discussion of specific imaging systems that illustrate the power of the hybrid computational imaging model in enhancing imaging performance. A number of exercises are provided for readers to develop further

understanding of computational imaging. While the focus of the book is largely on optical imaging systems, the key concepts are discussed in a fairly general manner so as to provide useful background for understanding the mechanisms of a diverse range of imaging modalities.

Knowledge-Based Intelligent Information and Engineering Systems Springer

One of the most powerful, complete, and reliable 3D tools in existence, LightWave has become the visual effects software of choice in film, television, and broadcast industries.

Software Engineering and Methodology for Emerging Domains Elsevier

The new edition of CCTV, a high-level professional reference, is expanded to cover all video compression techniques used in the ever-increasing assortment of digital video recorders (DVRs) available on the market today. In addition to demystifying DVR technology, the third edition also clarifies the technology of data networking and explains various compression techniques. Along with all this, the book retains the particulars that made the previous editions convenient and valuable, including details of CCD cameras, lenses, coaxial cables, fiber-optics, and system design. Updated to address digital techniques, networking, and the Internet in closed-circuit television Includes brand new sections on CCTV networking, digital video recorders (DVRs), various video compression techniques, and understanding pixels and digital image quality Fully illustrated with dozens of photographs, tables, checklists, charts, diagrams, and instructions

Complex Algebraic Foliations Jones & Bartlett Publishers

Recent Western European Mesolithic research has greatly augmented our understanding of the time and space parameters of material derived from settlements. Perusals of those regularities have led to a renewed scrutiny of the ethnographic literature in an attempt to perceive the resulting temporal and spatial units as anthropologically relevant regional groups. The proposition that the breeding population was identical to the ethnic identity of the participants is untenable. After a review of the physical anthropological composition of that population and its forms of social and spatial organization, the emic relevance of decorative ornamentation and costume is established in terms of society-specific styles. Proceeding from a series of tenets of processual ethnographic analogy, the ornaments extant in the post-glacial hunter-gatherer cultures of Western Europe are examined for their formal properties and time and space parameters. By means of an explicit set of postulates they are tested for the identification, definition and territorial placement of mesolithic social, ethnic and linguistic groups.

Comprehensive Chemometrics

Springer Science & Business Media

In September 1997, the Working Week on Resolution of Singularities was held at Obergurgl in the Tyrolean Alps. Its objective was to manifest the state of the art in the field and to formulate major questions for future research. The four courses given during this week were written up by the speakers and make up part I of this volume. They are complemented in part II by fifteen selected contributions on specific topics and resolution theories. The volume is intended to provide a broad and accessible introduction to resolution of

singularities leading the reader directly to concrete research problems.

Earthquake Hazard Assessment McGraw Hill Professional

Get the quick answers you need on every aspect of clinical ophthalmology and apply them in your day-to-day practice. The latest edition of *Ophthalmology* by Drs. Yanoff and Duker presents practical, expert, concise guidance on nearly every ophthalmic condition and procedure, equipping you to efficiently overcome whatever clinical challenges you may face. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Compatible with Kindle®, nook®, and other popular devices. Focus on the clinically actionable information you need thanks to a more streamlined format. Make optimal use of the newest drug therapies, including Anti-VEGF treatment for wet ARMD and bevacizumab treatment for complications of diabetes. Get authoritative guidance on the newest treatment options for cornea disorders, including evolving ocular surface reconstruction techniques and new cornea procedures such as DSEK. Take it with you anywhere. Access the full text, video clips, and more online at Expert Consult. Apply the latest advances in the diagnosis and treatment of ocular disease, including new drug therapies for retinal disorders; today's expanded uses of optical coherence tomography (OCT) and high-resolution imaging modalities; new corneal, cataract and refractive surgical approaches; and new developments in molecular biology and genetics, ocular surface disease, glaucoma testing, neuro-ophthalmology, uveitis, ocular tumors, and much more. Visualize how to proceed by viewing more than 2200

illustrations (1,900 in full color) depicting the complete range of clinical disorders, imaging methods, and surgical techniques. Hone and expand your surgical skills by watching 40 brand-new videos demonstrating key techniques in cornea, cataract, refractive, retina and glaucoma surgery. Spend less time searching thanks to a user-friendly visual format designed for quick, "easy-in easy-out" reference and an instant understanding on any topic.

Meteorological Satellites Elsevier
If you're new to Maya, the industry-leading 3D animation and effects software, *Introducing Maya* includes step-by-step tutorials and easy-to-follow explanations to teach you the basics and nuances of this complex software. Whether you're a student or a hobbyist, you can learn all about the Maya interface and the fundamentals of modeling, texturing, animating and visual effects with realistic examples. If you're new to 3D animation or transitioning from another 3D application, this book will provide you with the tools you need to become proficient at Maya. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file. For Instructors: Teaching supplements are available for this title.

Sailing Directions for the East Coast of Greenland from Prince Christian Sound to Cape Morris Jesup and

Iceland Including the Island of Jan Mayen Springer Science & Business Media

This book constitutes the thoroughly refereed proceedings of the 16th National Conference, NASAC 2017, held in Harbin, China, in November 2017, and the 17th National Conference, NASAC 2018, held in Shenzhen, China, in November 2018. The 6 revised selected papers were selected from 17 submissions for NASAC 2017, and 5 revised selected papers were selected from 20 submissions for NASAC 2018. The papers focus on all aspects of software engineering, e.g. requirements engineering, software methodologies, software analytics, software testing and evolution, and empirical studies.

The Big Book of Conflict Resolution Games: Quick, Effective Activities to Improve Communication, Trust and Collaboration CRC Press

The new edition of this perennial bestseller is the ideal initiation to 3D and Maya. Starting with the basics, it builds from the ground up, combining straightforward text with practical examples that make it fun and easy to learn Maya's core tools while introducing the latest Maya 2008 features. Follow clear-cut, step-by-step lessons while you learn by doing using a wealth of hands-on files provided on the CD. You'll also find compelling examples in the full-color insert.