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Software Engineering and Methodology for Emerging Domains Springer

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LightWave 3D 8 Texturing McGraw Hill Professional

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.

Methods of Measurement for Semiconductor Materials, Process Control, and Devices Walter de Gruyter GmbH & Co KG

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

Technical Abstract Bulletin Elsevier Health Sciences

In the Fall of 1975 we started a joint project with the ultimate goal of topologically classifying real algebraic sets. This has been a long happy collaboration (c.f., [K2]). In 1985 while visiting M.S.R.1. we organized and presented our classification results up to that point in the M.S.R.1. preprint series [AK14]–[AK17]. Since these results are interdependent and require some prerequisites as well as familiarity with real algebraic geometry, we decided to make them self contained by presenting them as a part of a book in real algebraic geometry. Even though we have not arrived to our final goal yet we feel that it is time to introduce them in a self contained coherent version and demonstrate their use by giving some applications. Chapter I gives the overview of the classification program. Chapter II has all the necessary background for the rest of the book, which therefore can be used as a course in real algebraic geometry. It starts with the elementary properties of real algebraic sets and ends with the recent solution of the Nash Conjecture. Chapter III and Chapter IV develop the theory of resolution towers. Resolution towers are basic topologically defined objects generalizing the notion of manifold.

Ophthalmology John Wiley & Sons

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.

The Chloroplast: From Molecular Biology to Biotechnology Springer Science & Business Media
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.

Structure Wordware Publishing, Inc.

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.

PC Mag Birkhäuser

Spectral sequences are among the most elegant and powerful methods of computation in mathematics. This book describes some of the most important examples of spectral sequences and some of their most spectacular applications. The first part treats the algebraic foundations for this sort of homological algebra, starting from informal calculations. The heart of the text is an exposition of the classical examples from homotopy theory, with chapters on the Leray-Serre spectral sequence, the Eilenberg-Moore spectral sequence, the Adams spectral sequence, and, in this new edition, the Bockstein spectral sequence. The last part of the book treats applications throughout mathematics, including the theory of knots and links, algebraic geometry, differential geometry and algebra. This is an excellent reference for students and researchers in geometry, topology, and algebra.

Optoelectronics, Instrumentation and Data Processing Jones & Bartlett Publishers

LightWave 3D 8 Texturing Wordware Publishing, Inc.

CRC Press

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.

Advanced Methods for Computational Collective Intelligence John Wiley & Sons

Operators are introducing mobile television and digital video content services globally. The Handbook of Mobile Broadcasting addresses all aspects of these services, providing a comprehensive reference on DVB-H, DMB, ISDB-T, and MediaFLO. Featuring contributions from experts in the field, the text presents technical standards and distribution proto

Fundamentals of Metal-Matrix Composites Springer Science & Business Media

Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database.

Introducing Maya 2008 Elsevier

Comprehensive Chemometrics, Second Edition features expanded and updated coverage, along with new content that covers advances in the field since the previous edition published in 2009. Subject of note include updates in the fields of multidimensional and megavariate data analysis, omics data analysis, big chemical and biochemical data analysis, data fusion and sparse methods. The book follows a similar structure to the previous edition, using the same section titles to frame articles. Many chapters from the previous edition are updated, but there are also many new chapters on the latest developments. Presents integrated reviews of each chemical and biological method, examining their merits and limitations through practical examples and extensive visuals Bridges a gap in knowledge, covering developments in the field since the first edition published in 2009 Meticulously organized, with articles split into 4 sections and 12 sub-sections on key topics to allow students, researchers and professionals to find relevant information quickly and easily Written by academics and practitioners from various fields and regions to ensure that the knowledge within is easily understood and applicable to a large audience Presents integrated reviews of each chemical and biological method, examining their merits and limitations through practical examples and extensive visuals Bridges a gap in knowledge, covering developments in the field since the first edition published in 2009 Meticulously organized, with articles split into 4 sections and 12 sub-sections on key topics to allow students, researchers and professionals to find relevant information quickly and easily Written by academics and practitioners from various fields and regions to ensure that the knowledge within is easily understood and applicable to a large audience

A User's Guide to Spectral Sequences Springer Science & Business Media

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.

Complex Algebraic Foliations Springer

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.

Optical System Design, Second Edition John Wiley & Sons

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.

Ophthalmology E-Book John Wiley & Sons

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.

Handbook of Mobile Broadcasting LightWave 3D 8 Texturing

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.

Scientific and Technical Aerospace Reports CRC Press

Learn advanced optical design techniques from the field's most respected guide Honed for more than 20 years in an SPIE professional course taught by renowned optical systems designer Robert E. Fischer, *Optical System Design, Second Edition* brings you the latest cutting-edge design techniques and more than 400 detailed diagrams that clearly illustrate every major procedure in optical design. This thoroughly updated resource helps you work better and faster with computer-aided optical design techniques, diffractive optics, and the latest applications, including digital imaging, telecommunications, and machine vision. No need for complex, unnecessary mathematical derivations—instead, you get hundreds of examples that break the techniques down into understandable steps. For twenty-first century optical design without the mystery, the authoritative *Optical Systems Design, Second Edition* features: Computer-aided design use explained through sample problems Case studies of third-millennium applications in digital imaging, sensors, lasers, machine vision, and more New chapters on optomechanical design, systems analysis, and stray-light suppression New chapter on polarization including lots of really useful information New and expanded chapter on diffractive optics Techniques for getting rid of geometrical aberrations Testing, tolerancing, and manufacturing guidance Intelligent use of aspheric surfaces in optical design Pointers on using off-the-shelf optics Basic optical principles and solutions for common and advanced design problems

Japanese Journal of Applied Physics Elsevier

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-fisher-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.