

Computed Tomography: Principles, Design, Artifacts, and Recent Advances, 2003, 387 pages, Jiang Hsieh, 0819444251, 9780819444257, SPIE Press, 2003

Description: X-ray computed tomography (CT) has experienced tremendous growth in recent years, in terms of both basic technology and new clinical applications. This professional reference book provides an overview of the evolution of CT, the mathematical and physical aspects of the technology, and the fundamentals of image reconstruction using algorithms. It examines image display from traditional methods through the most recent advancements, and it discusses key performance indices, theories behind the measurement methodologies, and different measurement phantoms in image quality. General descriptions and different categories of artifacts, their causes, and their corrections are considered at length. Partial Contents: Mathematics Fundamentals Fundamentals of X-ray Physics Image Reconstruction and Presentation Key Performance Parameters of a CT Scanner Major Components of the CT Scanner Image Artifacts: Appearances, Causes, and Corrections Computer Simulation and Analysis Helical or Spiral CT Multislice CT Advanced CT Applications

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Objective performance evaluation methods adapted to helical and multislice CT scanners , David C. Ellerbusch, 2006, , 17 pages. .

Medical Image Analysis , Atam P. Dhawan, Mar 29, 2011, Technology & Engineering, 544 pages. The expanded and revised edition will split Chapter 4 to include more details and examples in FMRI, DTI, and DWI for MR image modalities. The book will also expand ultrasound.

CT and MR Angiography of the Peripheral Circulation Practical Approach with Clinical Protocols, Debabrata Mukherjee, Sanjay Rajagopalan, May 30, 2007, Medical, 652 pages. This text discusses the basic aspects of multislice CT angiography with chapters on technical principles, basic scan technique for peripheral vascular imaging with multislice.

Improved SPECT radioactivity quantification using MRI side information , Yong Zhang, 1996, , . .

Imaging Properties of a Rotation-free, Arrayed-source Micro-computed Tomography System , Enzhuo Quan, 2009, , 170 pages. To accelerate the reconstruction of the proposed micro-CT system, we presented a faster iterative reconstruction algorithm based on the OSC algorithm. Measurements show that.

MRI-based Attenuation Correction for PET Reconstruction , Jeffrey Steinberg, 2008, , 97 pages. In this study we proposed and developed a simple attenuation mapping approach based on magnetic resonance imaging (MRI) for the purpose of reconstructing positron emission.

Image Reconstruction for a High Resolution PET-insert Scanner , Debashish Pal, 2008, , 133 pages. Positron emission tomography (PET) is widely used in clinical diagnosis as it provides metabolic and functional information about an organ of interest or the whole body. We are.

Photon-based Medical Imagery , Hervé Fanet, Feb 4, 2013, Science, 343 pages. This book describes the different principles and equipments used in medical imaging. Importance of medical imaging for diagnostic is strongly increasing and it is now necessary.

Tomography , Pierre Grangeat, Mar 4, 2013, Technology & Engineering, . The principle of tomography is to explore the structure and composition of objects non-destructively along spatial and temporal dimensions, using penetrating radiation, such as.

Medical Imaging: Physics of medical imaging, Parts 1-2 Physics of medical imaging, John M. Boone, Martin Joel Yaffe, Michael J. Flynn (PhD.), Richard L. Van Metter, Jacob Beutel, James Talmage Dobbins, American Association of Physicists in Medicine, SPIE Digital Library, 2004, Imaging systems in medicine, . .

Practical CT Technology and Techniques, , 1987, Medical, 271 pages. .

Medical Imaging Signals and Systems , Prince, Sep 1, 2008, , 496 pages. .

Fundamentals of Medical Imaging , Paul Suetens, 2002, Medical, 280 pages. This book explains the mathematical and physical principles of medical imaging and image processing. Beginning with an introduction to digital image processing, it goes on to.

Medical CT & Ultrasound Current Technology and Applications, Lee W. Goldman, Jun 1, 1995, Medical, 61 pages. .

2000 syllabus categorical course in diagnostic radiology physics : CT and US cross-sectional imaging, Radiological Society of North America. Scientific Assembly, Lee W. Goldman, Jeffrey B. Fowlkes, 2000, , 228 pages. .

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marine, 424 pages
Storytelling With the Flannel Board Book Three, Idalee Vonk, Feb 1, 1983,
Children's literature, 313 pages

Go Fish Recipes and Stories from the New Zealand Coast, Al Brown, Kieran Scott, 2009, Cooking, 344 pages. Al Brown's best-selling and much-loved fish cookbook and nostalgic ode to the New Zealand coastline and our love of all things coastal. Al Brown can be counted on to find and Highlands Conservation Act report (to accompany H.R. 1964)., United States. Congress. Senate. Committee on Energy and Natural Resources, 2004, Nature, 11 pages The Search for a Negotiated Settlement of the Vietnam War , Allan E. Goodman, Jan 1, 1986, History, 123 pages Computed Tomography: Principles, Design, Artifacts, and Recent Advances Jiang Hsieh 387 pages

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Option Strategies Profit-Making Techniques for Stock, Stock Index, and Commodity Options, Courtney Smith, Oct 24, 2008, Business & Economics, 448 pages. Updated and revised to include a decade of growth in the scope and complexity of options, Options Strategies: Profit-Making Techniques for Stock, Stock Index, and CommodityState of the Environment in Asia and the Pacific 1995, Asia

[SPIE Press, 2003](#)

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Concise Textbook of Physiology for Dental Students , Hema Pispati, 2001, Dentistry, 424 pages. This book is aimed at providing knowledge of basic physiology in a concise form to first year dental students. The book includes all the topics from the syllabus laid down by

Finding Faith A Novel, Denise Hunter, Mar 6, 2006, Fiction, 322 pages. Hunter brings to life a story of intrigue and integrity, of secrets divulged and promises kept, set in the high-pressure world of a Chicago television newsroom

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Barron's E-Z Business Mathematics , Calman Goozner, Thomas P. Walsh, 2009, Business & Economics, 330 pages. (back cover) Business math makes sense when you approach it the E-Z way! Open this book for a clear, concise, step-by-step review of: Fractions and decimals Calculating Modern Hematology Biology and Clinical Management, Reinhold Munker, Erhard Hiller, Jonathan Glass, Ronald Paquette, Nov 6, 2007, Medical, 512 pages. Over the past few decades the powerful methods of statistical physics and Euclidean quantum field theory have moved closer together, with common tools based on the use of path Far-Out Guide to the Moon , Mary Kay Carson, Sep 1, 2010, Juvenile Nonfiction, 48 pages. "Presents information about the moon, including fast facts, history, and technology used to study it"--Provided by publisher

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Black & Decker The Complete Guide to a Clutter-Free Home Organized Storage Solutions & Projects, Philip Schmidt, Nov 1, 2009, House & Home, 240 pages. "Includes strategies, ideas and step-by-step how to projects that offer creative storage solutions to help control household clutter"--Provided by publisher
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