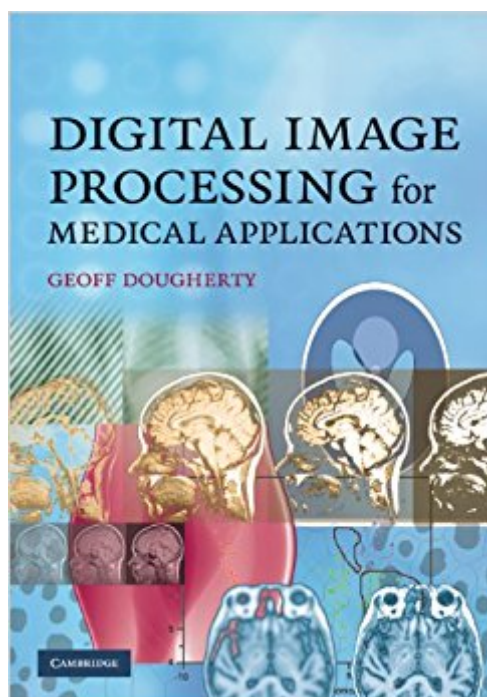


The book was found

Digital Image Processing For Medical Applications



Synopsis

Image processing is a hands-on discipline, and the best way to learn is by doing. This text takes its motivation from medical applications and uses real medical images and situations to illustrate and clarify concepts and to build intuition, insight and understanding. Designed for advanced undergraduates and graduate students who will become end-users of digital image processing, it covers the basics of the major clinical imaging modalities, explaining how the images are produced and acquired. It then presents the standard image processing operations, focusing on practical issues and problem solving. Crucially, the book explains when and why particular operations are done, and practical computer-based activities show how these operations affect real images. All images, links to the public-domain software ImageJ and custom plug-ins, and selected solutions are available from www.cambridge.org/books/dougherty.

Book Information

File Size: 29305 KB

Print Length: 461 pages

Simultaneous Device Usage: Up to 4 simultaneous devices, per publisher limits

Publisher: Cambridge University Press; 1 edition (April 9, 2009)

Publication Date: April 9, 2009

Sold by:Â Digital Services LLC

Language: English

ASIN: B00H7WPCD4

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #876,277 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #188

inÂ Books > Medical Books > Medical Informatics #212 inÂ Kindle Store > Kindle eBooks >

Medical eBooks > Physician & Patient > Diagnosis #462 inÂ Books > Engineering &

Transportation > Engineering > Bioengineering > Biomedical Engineering

Customer Reviews

Difficult to follow. Equations appear without proper explanation. Illustrations supposedly for comparison, look identical. Exercises, using ImageJ, a java-based open licence program, are good.

Some of the exercises, however, fall foul of Java's inbuilt security, and are impossible to run, except by advanced IT personnel.

I was lucky enough to receive a first draft of this book for my class with Dr. Dougherty. He is an amazing individual & a captivating professor. At the time I didn't appreciate this book as much as one should, however since I have just completed Ultrasound School at Loma Linda University, it has been a wonderful reference material when it comes to the "physics" of ultrasound. It was truly something to be taught the book from the author, and to now see he has written a new one, is fantastic, I cannot wait to add it to my collection. This is a must buy for anyone wanting to know the "how" or "why" medical imaging works!

Well written for the informatics student & the imageJ link with tuts are helpful. Links to some YouTube clips may be beneficial though.

[Download to continue reading...](#)

Digital Image Processing for Medical Applications Imagery and Disease: Image-Ca, Image-Sp, Image-Db : A Diagnostic Tool for Behavioral Medicine Biosignal and Medical Image Processing (Signal Processing and Communications) Medical Terminology: Medical Terminology Made Easy: Breakdown the Language of Medicine and Quickly Build Your Medical Vocabulary (Medical Terminology, Nursing School, Medical Books) Principles of Digital Image Processing: Core Algorithms (Undergraduate Topics in Computer Science) Fundamentals of Digital Image Processing A Computational Introduction to Digital Image Processing, Second Edition Image Sensors and Signal Processing for Digital Still Cameras (Optical Science and Engineering) The Wounded Healer: Ministry in Contemporary Society (Doubleday Image Book. an Image Book) Multidimensional Digital Signal Processing (Prentice-Hall Signal Processing Series) Digital Signal Processing with Examples in MATLAB®®, Second Edition (Electrical Engineering & Applied Signal Processing Series) Digital Signal Processing: with Selected Topics: Adaptive Systems, Time-Frequency Analysis, Sparse Signal Processing American Medical Association Complete Medical Encyclopedia (American Medical Association (Ama) Complete Medical Encyclopedia) LabVIEW Digital Signal Processing: and Digital Communications Image Processing and Acquisition using Python (Chapman & Hall/CRC Mathematical and Computational Imaging Sciences Series) Embedded Image Processing on the TMS320C6000™ DSP: Examples in Code Composer Studio™ and MATLAB Remote Sensing, Third Edition: Models and Methods for Image Processing Handbook of Image and Video Processing (Communications, Networking and Multimedia) Digital Signal Processing: Principles, Algorithms and

Applications (3rd Edition) Rocket Science for Traders: Digital Signal Processing Applications

[Dmca](#)