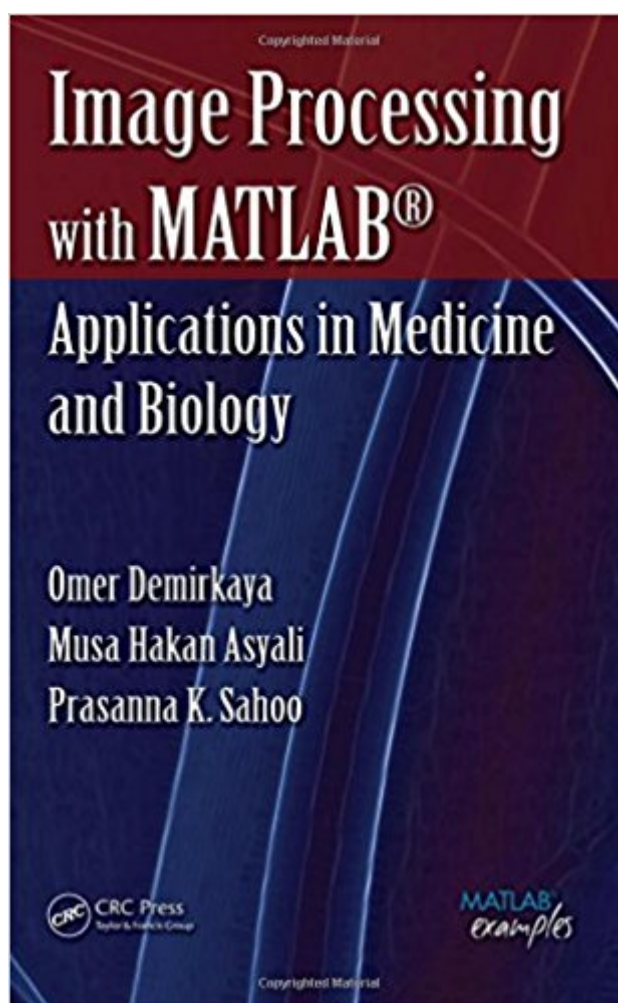


The book was found

Image Processing With MATLAB: Applications In Medicine And Biology (MATLAB Examples)



Synopsis

Image Processing with MATLAB[®]: Applications in Medicine and Biology explains complex, theory-laden topics in image processing through examples and MATLAB[®] algorithms. It describes classical as well as emerging areas in image processing and analysis. Providing many unique MATLAB codes and functions throughout, the book covers the theory of probability and statistics, two-dimensional fast Fourier transform, nonlinear diffusion filtering, and partial differential equation (PDE)-based image denoising techniques. It presents intensity-based image segmentation methods, including thresholding techniques as well as K-means and fuzzy C-means clustering techniques. The authors also explore Markov random field (MRF)-based image segmentation, boundary and curvature analysis methods, and parametric and geometric deformable models. The final chapters focus on three specific applications of image processing and analysis. Reducing the need for the trial-and-error way of solving problems, this book helps readers understand advanced concepts by applying algorithms to real-world problems in medicine and biology. A solutions manual is available for instructors wishing to convert this reference to classroom use.

Book Information

Series: MATLAB Examples

Hardcover: 458 pages

Publisher: CRC Press; 1 edition (December 22, 2008)

Language: English

ISBN-10: 0849392462

ISBN-13: 978-0849392467

Product Dimensions: 6.1 x 1 x 9.2 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #698,447 in Books (See Top 100 in Books) #94 in [Books > Computers & Technology > Graphics & Design > Computer Modelling > Imaging Systems](#) #121 in [Books > Textbooks > Medicine & Health Sciences > Medicine > Biotechnology](#) #250 in [Books > Engineering & Transportation > Engineering > Bioengineering > Biomedical Engineering](#)

Customer Reviews

King Faisal Specialist Hospital & Res. Ctr, Riyadh, Saudi Arabia
Erciyes University, Kayseri, Turkey
University of Louisville, Louisville, KY, USA

Very clear explanation, easy step by step to use, a lot of examples... .. .

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

Image Processing with MATLAB: Applications in Medicine and Biology (MATLAB Examples)

Imagery and Disease: Image-Ca, Image-Sp, Image-Db : A Diagnostic Tool for Behavioral Medicine

The Body Image Workbook for Teens: Activities to Help Girls Develop a Healthy Body Image in an

Image-Obsessed World Digital Image Processing for Medical Applications Signals and Systems

using MATLAB, Second Edition (Signals and Systems Using MATLAB w/ Online Testing)

Accelerating MATLAB Performance: 1001 tips to speed up MATLAB programs Vectors and Tensors

By Example: Including Cartesian Tensors, Quaternions, and Matlab Examples Digital Signal

Processing Using MATLAB & Wavelets Examples & Explanations: Constitutional Law: National

Power and Federalism (Examples & Explanations) Corporate Taxation: Examples And Explanations

(Examples & Explanations) Examples & Explanations for Bankruptcy and Debtor Creditor

(Examples & Explanations Series) Examples & Explanations: Legal Writing, Second Edition

(Examples and Explanations) Examples and Explanations: Remedies, 2nd Edition (Examples &

Explanations) Examples & Explanations for Antitrust (Examples & Explanations Series) Examples &

Explanations for Secured Transactions (Examples & Explanations Series) Examples & Explanations

for California Community Property (Examples & Explanations Series) Examples & Explanations for

Evidence (Examples & Explanations Series) Examples & Explanations for Dispute Resolution

(Examples & Explanations Series) Healing your self image after herpes: Clear away shame to

reclaim a vibrant, confident beautiful and loving self image! (Guides Book 1) Image Makers, Image

Takers (Second Edition)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)