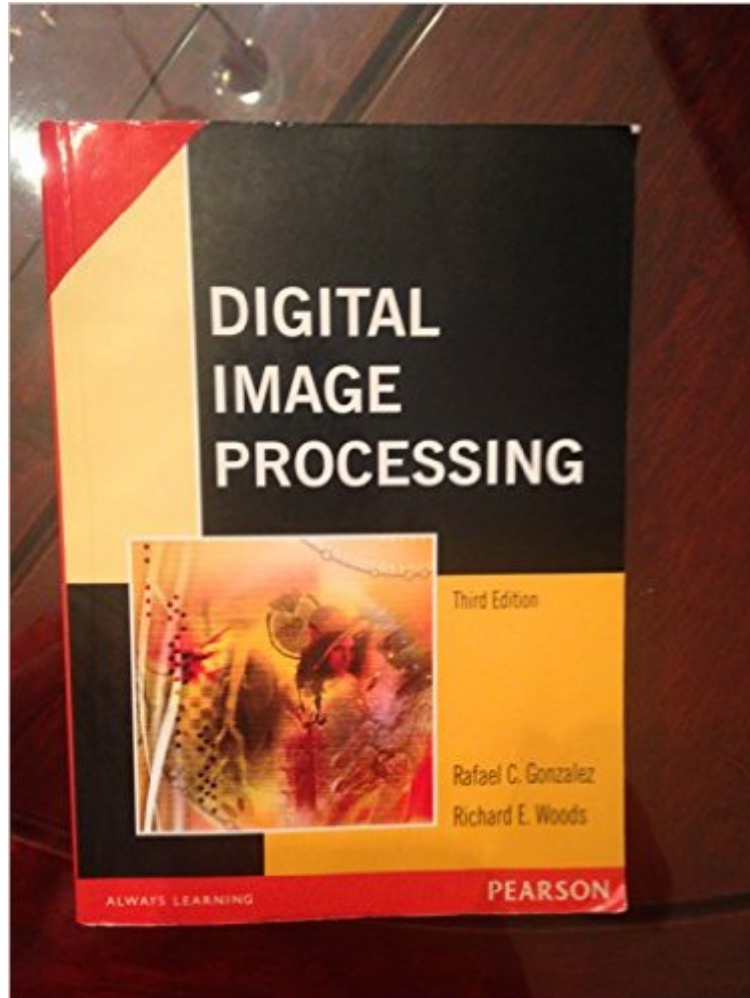# Digital Image Processing (3rd Edition)

Synopsis

The BOOK for image processing!

Book Information

Paperback

Publisher: PHI Learning Pvt. Ltd-new Delhi; 3rd edition (2009)

Language: Korean

ISBN-10: 8945006222

ISBN-13: 978-8945006226

ASIN: B005GPBWCO

Product Dimensions: 9 x 6.4 x 1.5 inches

Shipping Weight: 2.6 pounds

Average Customer Review: 4.0 out of 5 stars See all reviews (45 customer reviews)

Best Sellers Rank: #372,235 in Books (See Top 100 in Books)   #62 in Books > Computers & Technology > Computer Science > AI & Machine Learning > Computer Vision & Pattern Recognition

Customer Reviews

A good book, clear and easy to understand, and it is also easy to implement the algorithms mentioned in the book into a real world program. I used it as a text book in image processing class. Compared to other books in image processing, this book is a clear winner. The only drawback is the price. Other thing to remember is that this book is old enough in the ever-progressed image processing and computer graphic field.

This is a good introduction to image processing.The first chapters introduce the readers to the fundamentals of human vision and how the brain processes light, contrast and color. The examples are clear and understandable.As the book progresses, the subjects become more complex and mathematically-oriented. I found that I could follow up with those topics in which I had prior background, like intensity transformations, spatial filtering, filtering in the frequency domain, color image processing, image compression and image segmentation. In these topics I understood most of what they were explaining, except maybe the last pages of each chapter.When it came to chapters where I was weaker or not familiar at all, I have to admit that I was able to keep up only with the first pages of each one. More specifically: Wavelets and multithreshold processing, morphological image processing, representation, fuzzy logic and object recognition. These chapters

became muddy very quickly, and I only got a general feeling about what they were explaining.Maybe someone with an electrical engineering background (myself being mechanical/software) would understand better the advanced topics.I plan to read them again once I have a practical need or use for those areas.The book does not contain code samples but it has quite a lot of practical use examples with pictures.In summary, I understood roughly 65% of the book and would recommend it to anyone who needs a better understanding of image processing.Best RegardsAri

This book is a wonderful read about image processing. Having read most of the 1st edition (yes I'm reading all of the 3rd), I can say that this 3rd edition is larger (yet not insurmountable) with more examples, explanations, mathematical development and new material. I'm currently in the chapter about frequency domain processing and must say that the previous chapter about spatial domain processing is more robust, even now including a good introduction to fuzzy logic. Anyhow, with a good background in applied math and Matlab programming, this material is easy reading for me, but should also be accessible enough for anyone with a general technical background.

This is a very good book on Image Processing that gives a lot of examples as it explains a new concept. Highly recommended if you are going to learn image processing from scratch or just want to use it as a reference. However, I do NOT recommend the other version of this book that deals with MATLAB.

Very good and comprehensive text, which could be improved with more concrete examples, algorithm pseudo-code and more extensive treatment of processing colour images. Otherwise, this book is a good introduction to image processing.

A perfect image processing guide for beginners as well as advanced researchers. Very easy to read, and has nice examples. (It does not cover some very advanced image processing concepts.)

Gonzalez & Woods (3rd ed) is not only the best single reference in the field of image processing, but it is also one of the best technical books I ever read, in any field. Text and examples are clear, mathematics is at the right level to be precise, formal and understandable as well. You'll learn a lot about many things in this book.

If you decided to go for the cheap ones, you will get the low-quality printed indian version (on which it says that selling to the US is strictly prohibited). An additional note from the seller states that if negative feedback is left, they refuse to take the item back or cooperate in any way!Also, it is not possible to retrieve the student manual since the ISBN number is among the illegal copies, and no serial number exists. Just a warning, if the intended purpose is educational, as there are differences compared to the 'real' version, that the teacher have!Seller: Steven Bookshop (and possibly others as well)

Digital Image Processing (3rd Edition) The Body Image Workbook for Teens: Activities to Help Girls Develop a Healthy Body Image in an Image-Obsessed World The Digital Negative: Raw Image Processing in Lightroom, Camera Raw, and Photoshop (2nd Edition) Remote Sensing of Aquatic Coastal Ecosystem Processes: Science and Management Applications (Remote Sensing and Digital Image Processing) The Digital Negative: Raw Image Processing in Lightroom, Camera Raw, and Photoshop Principles of Digital Image Processing: Advanced Methods (Undergraduate Topics in Computer Science) Cryptocurrency: Guide To Digital Currency: Digital Coin Wallets With Bitcoin, Dogecoin, Litecoin, Speedcoin, Feathercoin, Fedoracoin, Infinitecoin, and ... Digital Wallets, Digital Coins Book 1) The Image Processing Handbook, Fourth Edition A Digital Signal Processing Primer: With Applications to Digital Audio and Computer Music Capture One Pro 9: Mastering Raw Development, Image Processing, and Asset Management Image Processing, Analysis & and Machine Vision - A MATLAB Companion A Concise Introduction to Image Processing using C++ (Chapman & Hall/CRC Numerical Analysis and Scientific Computing Series) Information Processing with Evolutionary Algorithms: From Industrial Applications to Academic Speculations (Advanced Information and Knowledge Processing) Speech and Language Processing: An Introduction to Natural Language Processing, Computational Linguistics and Speech Recognition Deep Learning: Natural Language Processing in Python with Recursive Neural Networks: Recursive Neural (Tensor) Networks in Theano (Deep Learning and Natural Language Processing Book 3) Deep Learning: Natural Language Processing in Python with GLoVe: From Word2Vec to GLoVe in Python and Theano (Deep Learning and Natural Language Processing) Deep Learning: Natural Language Processing in Python with Word2Vec: Word2Vec and Word Embeddings in Python and Theano (Deep Learning and Natural Language Processing Book 1) Digital Painting Techniques: Practical Techniques of Digital Art Masters (Digital Art Masters Series) Photography: DSLR Photography Secrets and Tips to Taking Beautiful Digital Pictures (Photography, DSLR, cameras, digital photography, digital pictures, portrait photography, landscape photography) Photography:

Complete Guide to Taking Stunning,Beautiful Digital Pictures (photography, stunning digital, great pictures, digital photography, portrait ... landscape photography, good pictures)