

Digital Image Processing

Second Edition



Rafael C. Gonzalez
Richard E. Woods

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Digital Image Processing Rafael C. Gonzalez, Richard Eugene Woods, 2008 A comprehensive digital image processing book that reflects new trends in this field such as document image compression and data compression standards. The book includes a complete rewrite of image data compression, a new chapter on image analysis and a new section on image morphology. [Digital Image Processing, Global Edition](#) Rafael C. Gonzalez, Richard E. Woods, 2018-06-21 The full text downloaded to your computer. With eBooks you can search for key concepts words and phrases, make highlights and notes as you study, share your notes with friends. eBooks are downloaded to your computer and accessible either offline through the Bookshelf available as a free download available online and also via the iPad and Android apps. Upon purchase you will receive via email the code and instructions on how to access this product. Time limit. The eBooks products do not have an expiry date. You will continue to access your digital ebook products whilst you have your Bookshelf installed. For courses in Image Processing and Computer Vision. For years Image Processing has been the foundational text for the study of digital image processing. The book is suited for students at the college senior and first year graduate level with prior background in mathematical analysis, vectors, matrices, probability, statistics, linear systems and computer programming. As in all earlier editions, the focus of this edition of the book is on fundamentals. The 4th Edition is based on an extensive survey of faculty, students and independent readers in 5 institutions from 3 countries. Their feedback led to expanded or new coverage of topics such as deep learning and deep neural networks, including convolutional neural nets, the scale invariant feature transform, SIFT, MERS, graph cuts, k-means clustering and superpixels, active contours, snakes and level sets, and each histogram matching. Major improvements were made in reorganising the material on image transforms into a more cohesive presentation and in the discussion of spatial kernels and spatial filtering. Major revisions and additions were made to examples and homework exercises throughout the book. [Digital Image Processing Using MATLAB](#) Rafael C. Gonzalez, Richard Eugene Woods, Steven L. Eddins, 2004 [Digital Image Processing](#) Rafael C. Gonzalez, Paul A. Wintz, 1987

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