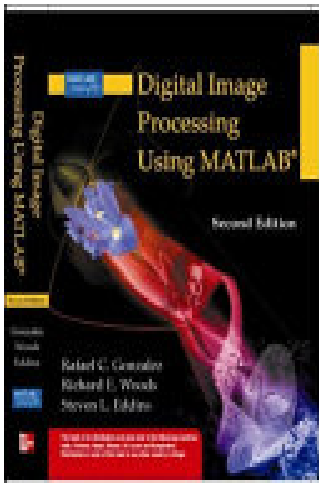


DIGITAL IMAGE PROCESSING USING MATLAB 2E



- Author : GONZALEZ
- Publisher : Tata McGraw-Hill Education, 2009
- pages : 826 pages
- N° Class : 621/279

Overview: Digital Image Processing Using MATLAB is the first book to offer a balanced treatment of image processing fundamentals and the software principles used in their implementation. The book integrates all fundamental concepts of DIP and the Image Processing Toolbox from The MathWorks, Inc., a leader in scientific computing. The Image Processing Toolbox provides a stable, well-supported software environment for addressing a broad range of applications in digital image processing. A unique feature of the book is its emphasis on showing how to enhance those tools by developing new code. Features: ? Over 100 new MATLAB image processing functions are developed? a 40 % increase over existing functions in the Image Processing Toolbox. ? Algorithms and MATLAB functions in the mainstream of digital image processing are discussed and implemented. ? Includes new topical coverage on: The Radon transform; image processing functions based on function-generating functions (function factories); geometric transformations; image registration; color profiles and device-independent color conversions; functions for video compression; adaptive thresholding algorithms; new image features, including minimum-perimeter polygons and local (corner) features. ? Using C code with MATLAB is covered in detail.