

1. Record Nr.	UNINA9910962780303321
Titolo	Race & reconciliation in America // edited by William S. Cohen and Janet Langhart Cohen
Pubbl/distr/stampa	Lanham, MD, : Lexington Books, c2009
ISBN	1-282-49448-1 9786612494482 0-7391-3552-X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (231 p.)
Altri autori (Persone)	CohenWilliam S CohenJanet Langhart <1941->
Disciplina	05.800973 305.800973
Soggetti	Racism - United States Reconciliation - Social aspects - United States Reconciliation - Political aspects - United States United States Race relations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes index.
Nota di contenuto	The arc of history and how we got here -- Justice : is it color blind? -- Education : what are we teaching? What are we learning? Are we failing? -- The economics of race -- The media and film -- Religion and spirituality -- The next generation speaks.
Sommario/riassunto	Convinced that what is needed in America is a serious, open, civil dialogue on racial, ethnic, and religious prejudice, William S. Cohen and Janet Langhart Cohen brought together an august and varied group of individuals in July 2008. Meeting in Washington, D.C., the participants, including Douglas Blackmon, Deepak Chopra, Sam Donaldson, Louis Gossett, Jr., and the Honorable John Lewis, came together to further a national conversation about the need for truth, tolerance, and reconciliation and what we can do to help all of our citizens to achieve their dreams in this land of great promise.

2. Record Nr.	UNINA9910968353203321
Autore	Chaki Jyotismita
Titolo	A beginner's guide to image shape feature extraction techniques / / Jyotismita Chaki, Nilanjan Dey
Pubbl/distr/stampa	Boca Raton, FL, : CRC PRESS, 2019
ISBN	1-000-03430-5 0-429-28779-8
Edizione	[1st ed.]
Descrizione fisica	1 online resource (147 pages)
Collana	Intelligent signal processing and data analysis
Altri autori (Persone)	DeyNilanjan <1984->
Disciplina	006.37
Soggetti	Computer vision Pattern recognition systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover -- Half Title -- Title Page -- Copyright Page -- Table of Contents -- Preface -- Authors -- 1: Introduction to Shape Feature -- 1.1 Introduction -- 1.1.1 4-Neighborhood -- 1.1.2 d-Neighborhood -- 1.1.3 8-Neighborhood -- 1.1.4 Connectivity -- 1.1.5 Connected Components -- 1.2 Importance of Shape Features -- 1.3 Properties of Efficient Shape Features -- 1.4 Types of Shape Features -- 1.4.1 Contour-Based Shape Representation and Description Techniques -- 1.4.1.1 Global Methods -- 1.4.1.2 Structural Methods -- 1.4.1.3 Limitations of the Structural Approach -- 1.4.2 Region-Based Shape Representation and Description Techniques -- 1.5 Summary -- References -- 2: One-Dimensional Function Shape Features -- 2.1 Complex Coordinate (ComC) -- 2.2 Centroid Distance Function (CDF) -- 2.3 Tangent Angle (TA) -- 2.4 Contour Curvature (CC) -- 2.5 Area Function (AF) -- 2.6 Triangle Area Representation (TAR) -- 2.7 Chord Length Function (CLF) -- 2.8 Summary -- References -- 3: Geometric Shape Features -- 3.1 Center of Gravity (CoG) -- 3.2 Axis of Minimum Inertia (AMI) -- 3.3 Average Bending Energy (ABE) -- 3.4 Eccentricity -- 3.4.1 Principal Axes Method -- 3.4.2 Minimum Bounding Rectangle (MBR) -- 3.5 Circularity Ratio (CR) -- 3.6 Ellipticity -- 3.6.1 Ellipse Variance (EV) -- 3.6.2 Ellipticity Based on Moment Invariants -- 3.7 Rectangularity -- 3.7.1 Smallest Bounding Rectangle (SBR) -- 3.7.2 Rectangular Discrepancy Method (RDM) -- 3.7.3 Robust Smallest

Bounding Rectangle (RSBR) -- 3.8 Convexity -- 3.9 Solidity -- 3.10 Euler Number (EN) -- 3.11 Profiles -- 3.12 Hole Area Ratio (HAR) -- 3.13 Summary -- References -- 4: Polygonal Approximation Shape Features -- 4.1 Merging Method (MM) -- 4.1.1 Distance Threshold Method (DTM) -- 4.1.2 Tunnelling Method (TM) -- 4.1.3 Polygon Evolution by Vertex Deletion (PEVD) -- 4.2 Splitting Method (SM). 4.3 Minimum Perimeter Polygon (MPP) -- 4.3.1 Data Preparation for MPP -- 4.3.2 MPP Algorithm -- 4.4 Dominant Point (DP) Detection -- 4.5 K-means Method -- 4.6 Genetic Algorithm (GA) -- 4.6.1 Encoding -- 4.6.2 Fitness -- 4.6.3 Genetic Operators or Control Parameters -- 4.7 Ant Colony Optimization (ACO) Method -- 4.7.1 Initialization -- 4.7.2 Node Transition Rule -- 4.7.3 Pheromone Updating Rule -- 4.7.4 Stopping Criterion -- 4.8 Tabu Search (TS) -- 4.8.1 Initialization -- 4.8.2 Definition of Moves -- 4.8.3 Aspiration Criteria (AC) -- 4.9 Summary -- References -- 5: Spatial Interrelation Shape Features -- 5.1 Adaptive Grid Resolution (AGR) -- 5.2 Bounding Box (BB) -- 5.3 Convex Hull (CH) -- 5.4 Chain Code (CC) -- 5.4.1 Basic -- 5.4.2 Differential -- 5.4.3 Re-sampling -- 5.4.4 Vertex -- 5.4.5 Chain Code Histogram (CCH) -- 5.5 Smooth Curve Decomposition (SCD) -- 5.6 Beam Angle Statistics (BAS) -- 5.7 Shape Matrix (SM) -- 5.7.1 Square Model -- 5.7.2 Polar Model -- 5.8 Shape Context (SC) -- 5.9 Chord Distribution (CD) -- 5.10 Shock Graphs (SG) -- 5.11 Summary -- References -- 6: Moment Shape Feature -- 6.1 Contour Moment (CM) -- 6.2 Geometric Invariant Moment (GIM) -- 6.3 Zernike Moment (ZM) -- 6.4 Radial Chebyshev Moment (RCM) -- 6.5 Legendre Moment (LM) -- 6.6 Homocentric Polar-Radius Moment (HPRM) -- 6.7 Orthogonal Fourier-Mellin Moment (OFMM) -- 6.8 Pseudo-Zernike Moment (PZM) -- 6.9 Summary -- References -- 7: Scale-Space Shape Features -- 7.1 Curvature Scale Space (CSS) -- 7.1.1 Extreme Curvature Scale Space (ECSS) -- 7.1.2 Direct Curvature Scale Space (DCSS) -- 7.1.3 Affine Resilient Curvature Scale Space (ARCSS) -- 7.2 Morphological Scale Space (MSS) -- 7.3 Intersection Points Map (IPM) -- 7.4 Summary -- References -- 8: Shape Transform Domain Shape Feature -- 8.1 Fourier Descriptors -- 8.1.1 One-Dimensional Fourier Descriptors. 8.1.2 Region-Based Fourier Descriptor -- 8.2 Wavelet Transform -- 8.3 Angular Radial Transformation (ART) -- 8.4 Shape Signature Harmonic Embedding -- 8.5 R-Transform -- 8.6 Shapelet Descriptor (SD) -- 8.7 Summary -- References -- 9: Applications of Shape Features -- 9.1 Digit Recognition -- 9.2 Character Recognition -- 9.3 Fruit Recognition -- 9.4 Leaf Recognition -- 9.5 Hand Gesture Recognition -- 9.6 Summary -- References -- Index.

Sommario/riassunto

This book emphasizes various image shape feature extraction methods which are necessary for image shape recognition and classification. Focussing on a shape feature extraction technique used in content-based image retrieval (CBIR), it explains different applications of image shape features in the field of content-based image retrieval. Showcasing useful applications and illustrating examples in many interdisciplinary fields, the present book is aimed at researchers and graduate students in electrical engineering, data science, computer science, medicine, and machine learning including medical physics and information technology.