《组合图像分析/会议录Combinat》

图书基本信息

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内容概要

This volume constitutes the refereed proceedings of the 11th International Workshop on Combinatorial Image Analysis, IWCIA 2006, held in Berlin, Germany, in June 2006. The 34 revised full papers presented together with two invited papers were carefully reviewed and selected from 59 submissions. The topics covered include combinatorial image analysis; grammars and models for analysis and recognition of scenes and images; combinatorial topology and geometry for images; digital geometry of curves and surfaces; algebraic approaches to image processing; image, point clouds or surface registration, as well as fuzzy and probabilistic image analysis.

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书籍目录

Combinatorics and Counting Topological Map:An Efficient Tool to Compute Incrementally Topological Features on 3D Images Counting Gaps in Binary Pictures The Exact Lattce Width of Planar Sets and Minimal Arithmetical Thickness Thinning and Watersheds Branch Voxels and Junctions in 3D Skeletons New 2D Parallel Thinning Algorithms Based on Critical Kernels Grayscale Watersheds on Perfect Fusion Graphs Distances Matching of the Multi-channel Images with Improved Nonparametric Transformations and Weighted Binary Distance Measures Approximating Euclidean Distance Using Distances Based on Neighboyrhood Sequences in Non-standard Three-Dimensional Grids Fuzzy Distance Based Hierarchical Clustering Calculated Using the A Algorithm Image Representation and Segmentation A New Sub-pixel Map for Image Analysis Feature Based Defuxzzification at Increased Spatial Resolution Extended Mumford-Shah Regularization in Bayesian Estimation for Blind Image Deconvolution and Segmentation Invited Pater Polygonal Approximation of Point Sets Approximations I Linear Discrete Line Recognition and Reconstruction Based on a Generalized Preimage Digital Line Recognition,Convex Hull,Thickness,a Unified and Logarithmic Technique Incremental and Transitive Discrete Rotations Digital Topology Discrete Homotopy of a Closed k-Surface Topology Preserving Digitization with FCC and BCC Grids On the Notion of Dimension in Digital Spaces Shape and Matching Invited Paper Approximations IICombinatorics and Grammars TomographyPoster Session Author Index

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