

<<Combinatorial Image >>

图书基本信息

书名：<<Combinatorial Image Analysis组合图像分析/会议录>>

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### 内容概要

This book constitutes the refereed proceedings of the 10th International Workshop on Combinatorial Image Analysis, IWCIA 2004, held in Auckland, New Zealand, in December 2004. The 55 revised full papers presented together with 3 invited papers were carefully reviewed and selected from 86 submissions. The papers are organized in topical sections on discrete tomography, combinatorics and computational models, combinatorial algorithms, combinatorial mathematics, digital topology, digital geometry, approximation of digital sets by curves and surfaces, algebraic approaches, fuzzy image analysis, image segmentation, matching and recognition.

## 书籍目录

Discrete Tomography Binary Matrices Under the Microscope: A Tomographical Problem On the Reconstruction of Crystals Through Discrete Tomography Binary Tomography by Iterating Linear Programs from Noisy Projections Combinatorics and Computational Models Hexagonal Pattern Languages A Combinatorial Transparent Surface Modeling from Polarization Images Integral Trees: Subtree Depth and Diameter Supercover of Non-square and Non-cubic Grids Calculating Distance with Neighborhood Sequences in the Hexagonal Grid On Correcting the Unevenness of Angle Distributions Arising from Integer Ratios Lying in Restricted Portions of the Farey Plane Combinatorial Algorithms Equivalence Between Regular  $n$ -G-Maps and  $n$ -Surfaces Z-Tilings of Polyominoes and Standard Basis Curve Tracking by Hypothesis Propagation and Voting-Based Verification 3D Topological Thinning by Identifying Non-simple Voxels Convex Hulls in a 3-Dimensional Space A Near-Linear Time Algorithm Using Distance Transform Binarization of Fingerprint Images Combinatorial Mathematics On Recognizable Infinite Array Languages On the Number of Digitizations of a Disc Depending on Its Position On the Language of Standard Discrete Planes and Surfaces Characterization of Bijective Discretized Rotations Digital Topology Magnification in Digital Topology Curves, Hypersurfaces, and Good Pairs of Adjacency Relations ... .. Digital Geometry Approximation of Digital Sets by Curves and Surfaces Algebraic Approaches Fuzzy Image Analysis Image Segmentation Matching and Recognition Author Index

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