<<计算机成像用离散几何学>>

图书基本信息

书名:<<计算机成像用离散几何学>>

13位ISBN编号:9783540476511

10位ISBN编号: 3540476512

出版时间:2006-12

出版时间: Springer-Verlag New York Inc

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页数:688

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内容概要

This book constitutes the refereed proceedings of the 13th International Conference on Discrete Geometry for Computer Imagery, DGCI 2006, held in Szeged, Hungary in October 2006. The 28 revised full papers and 27 revised poster papers presented together with 2 invited papers were carefully reviewed and selected from 99 submissions. The papers are organized in topical sections on discrete geometry, discrete tomography, discrete topology, distance, image analysis, shape representation, segmentation, skeletonization, as well as surfaces and volumes.

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书籍目录

Discrete Geometry Invited Paper Duality and Geometry Straightness, Characterization and Envelope On Minimal Perimeter Polyminoes A Generic Approach for n-Dimensional Digital Lines Discrete-Euclidean Operations Based on the Scaling Transform Geometry of Neighborhood Sequences in Recognition of Blurred Pieces of Discrete Planes Discrete Tomography The Number of Hexagonal Grid Line-Convex Directed Polyominoes Having the Same Orthogonal Projections A Network Flow Algorithm for Binary Image Reconstruction from Few Projections Fast Filling Operations Used in the Reconstruction of Reconstruction Algorithm and Switching Graph for Two-Projection Tomography with Convex Lattice Sets **Prohibited** A Geometry Driven Reconstruction Algorithm for the Mojette Transform Subregion Quantised Angular Momentum Vectors and Projection Angle Distributions for Discrete Radon A Benchmark Evaluation of Large-Scale Optimization Approaches to Binary Tomography **Transformations** Construction of Switching Components Discrete Topology Invited Paper Minimal Non-simple and Minimal Non-cosimple Sets in Binary Images on Cell Complexes Combinatorial Relations for Digital Pictures Reusing Integer Homology Information of Binary Digital hnages On the Lattice Structure of Subsets of Octagonal Neighborhood Sequences in Zn. On the Connectedness of Rational Arithmetic Discrete Homology of Simploidal Set Measuring Intrinsic Volumes in Digital 3d Images **Hyperplanes** ...DistanceImage AnalysisSegmentationSkeletonizationSurfaces and VolumesAuthor Indes

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