

<<医学成像和扩张的现实Medical i>>

图书基本信息

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内容概要

This book constitutes the refereed proceedings of the Third International Workshop on Medical Imaging and Augmented Reality, MIAR 2006, held in Shanghai, China, in August 2006. The 45 revised full papers presented together with 4 invited papers were carefully reviewed and selected from 87 submissions. The papers are organized in topical sections on shape modeling and morphometry, patient specific modeling and quantification, surgical simulation and skills assessment, surgical guidance and navigation, image registration, PET image reconstruction, and image segmentation.

书籍目录

Invited Contributions Statistics of Pose and Shape in Multi-object Complexes Using Principal Geodesic Analysis
Geodesic Image Normalization and Temporal Parameterization in the Space of Diffeomorphisms
Connectivity Analysis of Human Functional MRI Data: From Linear to Nonlinear and Static to Dynamic
Lessons from Brain Mapping in Surgery for Low-Grade Gliomas: Study of Cerebral Connectivity and
Plasticity Shape Modeling and Morphometry Multi-scale Voxel-Based Morphometry Via Weighted Spherical
Harmonic Representation An Embedding Framework for Myocardial Velocity Processing with MRI A
Multiscale Morphological Approach to Topology Correction of Cortical Surfaces Finding Deformable Shapes by
Point Set Matching Through Nonparanetric Belief Propagation Robust and Accurate Reconstruction of
Patient-Specific 3D Surface Models from Sparse Point Sets: A Sequential Three-Stage Trimmed Optimization
Approach Generalized n-D Ck B-Spline Scattered Data Approximation with Confidence Values Improved
Shape Modeling of Tubular Objects Using Cylindrical Parameterization Patient Specific Modeling and
Qualification Role of 3T High Field BOLD fMRI in Brain Cortical Mapping for Glioma Involving Eloquent
Areas Noninvasive Temperature Monitoring in a Wide Range Based on Textures of Ultrasound Images A
Novel Liver Perfusion Analysis Based on Active Contours and Chamfer Matching Cerebral Vascular Tree
Matching of 3D-RA Data Based on Tree Edit Distance Application of SVD-Based Metabolite Quantification
Methods in Magnetic Resonance Spectroscopic Imaging An Inverse Recovery of Cardiac Electrical Propagation
from Image Sequences Surgical Simulation and Skills Assessment Optical Mapping of the Frontal Cortex During
a Surgical Knot-Tying Tracking of Instruments in Minimally Invasive Surgery for Surgical Skill Analysis The
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and navigation Image registration PET Image Reconstruction Image Segmentation Author Index

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