

<<生物医学图像配准>>

图书基本信息

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作者：Gerritsen, Frans A. 编

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内容概要

This book constitutes the thoroughly refereed post-proceedings of the Third International Workshop on Biomedical Image Registration, WBIR 2006, held in Utrecht, The Netherlands, in July 2006. The 20 revised full papers and 18 revised poster papers presented were carefully reviewed and selected for inclusion in the book. The papers cover all areas of biomedical image registration; methods of registration, biomedical applications, and validation of registration. Topics addressed are measures of similarity, 2D/3D/4D, nonrigid deformation, intra- or inter-modality registration, intra- or inter-subject registration, optimization methods, model-based registration, computer integrated surgery, image-guided therapy and diagnosis, treatment planning, serial studies, morphometry, biomechanics, image retrieval, image tiling and image fusion, computational and empirical accuracy, comparison studies, and physical models.

书籍目录

Medical Image Registration Based on BSP and Quad-Tree Partitioning
A Bayesian Cost Function Applied to Model-Based Registration of Sub-cortical Brain Structures
Automatic Inter-subject Registration of Whole Body Images
Local Intensity Mapping for Hierarchical Non-rigid Registration of Multi-modal Images Using the Cross-Correlation Coefficient
Multi-modal Image Registration Using Dirichlet-Encoded Prior Information
Removal of Interpolation Induced Artifacts in Similarity Surfaces
Symmetric Diffeomorphic Image Registration: Evaluating Automated Labeling of Elderly and Neurodegenerative Cortex and Frontal Lobe
Deformation Based Morphometry Analysis of Serial Magnetic Resonance Images of Mouse Brains
Canonical Correlation Analysis of Sub-cortical Brain Structures Using Non-rigid Registration
A Novel 3D/2D Correspondence Building Method for Anatomy-Based Registration
2D-to-3D X-Ray Breast Image Registration
Predrag R. Bakic, Frederic J.P. Richard, Variational Image Registration with Local Properties
Geometrical Regularization of Displacement Fields with Application to Biological Image Registration
Myocardial Deformation Recovery Using a 3D Biventricular Incompressible Model
A Log-Euclidean Polyaffine Framework for Locally Rigid or Affine Registration
Introduction to the Non-rigid Image Registration Evaluation Project (NIREP)
A Unified Framework for Atlas Based Brain Image Segmentation and Registration
Deformable Physiological Atlas-Based Programming of Deep Brain Stimulators: A Feasibility Study
A Comparison of Acceleration Techniques for Nonrigid Medical Image Registration
Computing the Geodesic Interpolating Spline.....
Author Index

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