Medical image registration based on BSP and quad-tree partitioning p. 1
A Bayesian cost, function applied to model-based registration of sub-cortical brain structures p. 9
Automatic inter-subject registration of whole body images p. 18
Local intensity mapping for hierarchical non-rigid registration of multi-modal images using the cross-correlation coefficient p. 26
Multi-modal image registration using Dirichlet-encoded prior information p. 34
Removal of interpolation induced artifacts in similarity surfaces p. 43
Symmetric diffeomorphic image registration : evaluating automated labeling of elderly and neurodegenerative cortex and frontal lobe p. 50
Deformation based morphometry analysis of serial magnetic resonance images of mouse brains p. 58
Canonical correlation analysis of sub-cortical brain structures using non-rigid registration p. 66
A novel 3D/2D correspondence building method for anatomy-based registration p. 75
2D-to-3D X-ray breast image registration p. 84
Variational image registration with local properties p. 92
Geometrical regularization of displacement fields with application to biological image registration p. 101
Myocardial deformation recovery using a 3D biventricular incompressible model p. 110
A log-Euclidean polyaffine framework for locally rigid or affine registration p. 120
Introduction to the non-rigid image registration evaluation project (NIREP) p. 128
A unified framework for atlas based brain image segmentation and registration p. 136
Deformable physiological atlas-based programming of deep brain stimulators : a feasibility study p. 144
A comparison of acceleration techniques for nonrigid medical image registration p. 151
Evaluation of similarity measures for non-rigid registration p. 160
Computing the geodesic interpolating spline p. 169
Combining registration and abnormality detection in mammography p. 178
Point similarity measures based on MRF modeling of difference images for spline-based 2D-3D rigid registration of X-ray fluoroscopy to CT images p. 186
Clinical application of a semiautomatic 3D fusion tool where automatic fusion techniques are difficult to use p. 195
Comparison between parzen window interpolation and generalised partial volume estimation for nonrigid image registration using mutual information p. 206
Elastic registration algorithm of medical images based on fuzzy set p. 214
PET/CT rigid-body registration in radiation treatment planning settings : phantom validation and strategy investigation p. 222
3D mouse brain reconstruction from histology using a coarse-to-fine approach p. 230
A generalization of free-form deformation image registration within the ITK finite element framework p. 238
A novel projection based approach for medical image registration p. 247
Combining homogenization and registration p. 257
High-dimensional normalized mutual information for image registration using random lines p. 264
2D/3D registration of neonatal brain images p. 272
Robust optimization using disturbance for image registration p. 280
MR-CT image registration in liver cancer treatment with an open configuration MR scanner p. 289
Nonrigid registration of multitemporal CT and MR images for radiotherapy treatment planning p. 297
3D statistical shape modeling of long bones p. 306
Point-based registration with known correspondence: closed form optimal solutions and properties p. 315

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.