Abstract

Image registration is a method of determining a mapping or a transformation that relates positions in one image, to the corresponding positions in the other images under considerations. The process of registration depends on the homologous control points that are selected from the source and the target images. This paper focuses on the use of the structural information of an image, for selecting control points, as it remains the same even when it undergoes most of the transformation and illumination changes. The points thus obtained are then given to the Moving Least Squares (MLS) based registration technique reported earlier by the authors [11].
Feature Point Selection using Structural Graph Matching for MLS based Image Registration


- Tsai, Chia-Ling, et al. &quot;The edge-driven dual-bootstrap iterative closest point algorithm for registration of multimodal fluorescein angiogram sequence. &quot;Medical Imaging, IEEE Transactions on 29. 3 (2010): 636-649.


Index Terms

Computer Science Image Processing

Keywords

Image Registration Moving Least Squares Graph Marching Delaunay Triangulation Hungarian Method