Abstract

Segmentation is used as the first and the most important phase in the recognition and treatment of a disease in analyzing medical images like MRI images. It is challenging due to poor contrast and artifacts that result in missing or diffuse organ/tissue boundaries. In this paper, we will discuss different ways to automate the segmentation of medical images. We expect further improvements can be achieved by incorporating as much prior information as possible (e.g. texture, shape, & spatial location of organs) into a single framework.
- PayelGhosh, Melanie Mitchell, "Segmentation of Medical Images Usinga Genetic Algorithm";


Utkarsh Kumar Shah and Prof. A. Mukherjee, "BTP REPORT Image segmentation by region growing", April 15, 2010.


Index Terms

Computer Science Image Processing

Keywords

Medical image segmentation Genetic algorithm Clustering.