Abstract

Magnetic Resonance Imaging (MRI) is a powerful visualization tool that permits to acquire images of internal anatomy of human body in a secure and non-invasive manner. The important task in the diagnosis of brain tumor is to determine the exact location, orientation and area of the abnormal tissues. This paper presents a performance analysis of image segmentation techniques, viz., Genetic algorithm, K-Means Clustering and Fuzzy C-Means clustering for detection of brain tumor from brain MRI images. The performance evaluation of these techniques is carried out on the real time database on the basis of error percentage compared to ground truth.

References


18. T. F. Chan, S. Esedooglu, and M. Nikolova, "Algorithms for finding global minimizers of


35. M. Karuna1, A. Joshi, "Automatic detection and servery analysis of brain tumors using
A Comparative Analysis of MRI Brain Tumor Segmentation Technique


Index Terms

Computer Science     Image Processing

Keywords