Abstract

This paper talks about image segmentation which can be attained through different ways such as water shed and contours, thresholding, region growing. In image classification, an image is classified according to its visual content. This paper also discusses how to extract information about the tumor, then in the first level i.e., pre-processing level, the parts which are outside the skull and don’t have any information are removed and then anisotropic diffusion filter is applied to the MRI images in order to remove the noise. In this paper, we have tried to explain how by applying the algorithm, the tumor area is displayed on the MRI image and the central part is selected as sample points for training. Then Support Vector Machine classifies the boundary and extracts the tumor.
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Index Terms

Computer Science

Bio Medical

Keywords

Thresholding   Mri Images   Svm Classifier