SURVEY ARTICLE

A Survey of Image Segmentation Algorithms Based On Fuzzy Clustering

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Abstract— Medical image segmentation plays a vital role in one of the most challenging fields of engineering. Imaging modality provides detailed information about anatomy. It is also helpful in the finding of the disease and its progressive treatment. More research and work on it has enhanced more effectiveness as far as the subject is concerned. Different methods are used for medical image segmentation such as Clustering methods, Thresholding method, Classifier, Region Growing, Deformable Model, Markov Random Model etc. The main purpose of this survey is to provide a comprehensive reference source for the researchers involved in Fuzzy C Means based medical image processing. There are different types of FCM algorithms for medical image. Their advantages and disadvantages are discussed.

Key Terms: - Image segmentation; Medical Image Processing; Fuzzy C Means

Full Text: http://www.ijcsmc.com/docs/papers/July2013/V2I7201330.pdf