312. BRAIN TUMOR CLASSIFICATION USING DT-CWT AND PROBABILISTIC NEURAL NETWORKS

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The project proposes systematic classification of brain tumor image is essential in present context for understanding the characteristics of tumor ;whether benign malignant or normal. The proposed method of classification is based on use of MRI images, spatial fuzzy clustering algorithm for segmentation and use of probabilistic neural network with radial basis function for automated classification. The performance of the classifier is evaluated by proper detection and analysis of image in terms of training performance and accuracies

Keywords—Braintumor,magnetic resonanceimages(MRI), segmentation, probabilistic neural network and classification