Abstract

As medical images contain uncertainties there are difficulties in classification of images into homogeneous regions. In order to carry out this task, intuitive ways have been found out to interpret and describe the inherent ambiguity and vagueness in the medical images in terms of intuitionistic fuzzy set theory. The comparison of Intuitionistic Fuzzy C-Means algorithm with three different type of Intuitionistic Fuzzy Generator (IFG) is presented in this paper.

References


URL: http://myweb.msoe.edu/~martynsc/images/mri/mri.html.


Index Terms

Computer Science
Fuzzy Systems

Keywords

FCM, IFCM, Image segmentation, Intuitionistic fuzzy complement.