

Contrast enhancement of flat EEG images via intuitionistic fuzzy approach

ABSTRACT

Image enhancement is an initial step in medical imaging before further processing. It is a process to improve the quality of an image which is affected by the presence of noise. Various approaches such as classical and fuzzy methods are used in the area of image processing to obtain the desired output. However, in this paper, an advanced fuzzy approach for contrast enhancement is used. The method is known as intuitionistic fuzzy set (IFS) and it is implemented on flat EEG (fEEG) input images during epileptic seizures. The output images are displayed with different values of parameter lambda, λ . Unsmooth output images occurred as λ increased.