

Fuzzy contrast enhancement by intensification operator in Flat Electroencephalography image

ABSTRACT

Contrast enhancement plays a major role in image processing. It is applied to improve the visibility or perceptibility of objects by enhancing the brightness difference between objects and their backgrounds. In this paper, the contrast of Flat Electroencephalography (fEEG) image is enhanced by using fuzzy approach. The fEEG image itself is a fuzzy object which is in grayscale. It is originated from a technique known as fEEG which mapped high dimensional signal into low dimensional space. Contrast improvement of fEEG image is done by using Intensification Operator (INT) and New Intensification Operator (NINT). Moreover, the output images are compared for both operators.