Abstract

Image Thresholding is the necessary task in some image processing applications. The goal of any segmentation technique in image processing is to find out the object from the background in the given image. In this paper, q-parameter of the Tsallis entropy is analyzed in the existing and the proposed methods. Different techniques have been introduced to automate the q-parameter to obtain corresponding threshold value. After the comparison of all results by using misclassification error, the proposed one yields better results as demonstrated by statistical analysis.

References

A Novel $q$-parameter Automation in Tsallis Entropy for Image Segmentation


Index Terms
Computer Science
Image Processing

Keywords
Tsallis entropy  Image Thresholding  $q$-parameter