Abstract

This document presents a system in order to annotate image content by using the region growing segmentation, as a method to separate different objects within an image, and the multilayer neural network to classify these objects and to find the appropriate keywords for them. In many applications, different kinds of moments have been used as features to classify the images and objects' shapes. The Hu moments, Legendre moments and Zernike moments are used, in this paper, as features to describe an image. The experiments are done
through using ETH-80 database images.

References

- Sinan Tumen, M. Emre Acer and T. Metin Sezgin, Feature Extraction and Classifier Combination for Image-based Sketch Recognition, Eurographics Symposium on Sketch-Based Interfaces and Modeling, pp. 1–8, 2010.

Index Terms

Computer Science  Image Processing

Keywords

Image Annotation  Image Segmentation  Neural Network  Zernike Moments  Legendre Moments  Hu Moments