Abstract

Image classification is a very challenging and important problem in the image management and retrieval system. The traditional methods are not effective to the image classification due to the high dimensionality of the image feature space. This paper proposes a method of image classification over a given data set using subset feature set and morphological profile. On the basis of subset feature set the image data set are classified. The input is the image and the result is the class of images related to that image. Using this technique, the performance is found to be 84%, which is quite acceptable.

References


**Index Terms**

Computer Science

Image Processing

**Keywords**

Discrete Cosine Transform  Sub-part Features  Morphology  Region Growing