Abstract

Content based image retrieval CBIR has been one of the most important research area in the field of computer science. There were many CBIR techniques have been proposed in the last decade. In this paper we propose a CBIR method which is modified form of color averaging technique. In previous color averaging techniques e. g. row mean, column mean ,forward diagonal mean, backward diagonal mean, sum of row ,columns and diagonal intensity values respectively were calculated for similarity measure. However it was possible that whether the sum could been same, but intensity values were not same for same corresponding positions in both query image and database image, as a result irrelevant images could be retrieved. In this method, we have tried to overcome this problem by considering the position of intensity values present in both query image and database images for similarity measure.

References

A Modified Color Averaging Technique for Content based Image Retrieval


Index Terms

Computer Science

Image Processing

Keywords

CBIR  Euclidean Distance