Abstract

In content based image retrieval (CBIR) system, Colour histogram is widely used. Although colour histograms are efficient and insensitive to changes in camera viewpoint, images with different appearance may result in similar histograms. In this paper, we have proposed histogram based matching by diving images into several buckets (grids). This will overcome the shortcoming of histogram matching of whole image. The proposed algorithm is evaluated using performance metrics and it is observed that proposed algorithm (with bucketing) gives better performance than that of without bucketing retrieval algorithm.
CBIR using Bucketing and Histogram

References


Index Terms

Computer Science
Image Processing

Keywords

Bucketing  Content Based Image Retrieval  Histogram Matching