Abstract

This paper gives an overview idea of efficient retrieval of images using different Mpeg-7 Features. Content Based Image Retrieval is a technique of automatic indexing and retrieving of images from a large data base. Feature Extraction and Similarity Matching are the two major steps for CBIR Systems. Color, Texture and Shape represent the three visual features for any image. Mpeg-7 Stands for Multimedia Content Description Interface. The main objective of Mpeg-7 is to provide a standardized set of technologies for describing multimedia content. It has allowed quick and efficient content identification, and addressing a large range of applications. The visual descriptors are classified according to the feature such as color, shape, texture, etc. This paper has used Color Structure Descriptor for color and Edge Histogram Descriptor for texture. These two features are also integrated to increase the performance of CBIR Systems. The efficiency of all methods are demonstrated with the help of results.
Efficient Content based Image Retrieval System using Mpeg-7 Features

Index Terms

Computer Science  Pattern Recognition

Keywords

Content Based Image Retrieval  Color Structure Descriptor (CSD)  Edge Histogram Descriptor (EHD)  MPEG-7

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