Abstract

This paper reviews the development of content based image retrieval system (CBIR) and sketch based image retrieval system (SBIR). In this paper, we present the problems and challenges concerned with the design and the creation of CBIR systems, which is based on a free hand sketch (i.e. SBIR). The use of the existing methods, describe a possible results, how to design and implement a task specific descriptor, which can handle the informational gap between a sketch a colored image to make an opportunity for the efficient search. The CBIR system first computes the similarity between the query and the images stored in the database. This paper outlines a description of primitive features of images like textures, colors and shapes. The review of the feature extraction, feature based matching and indexing which represent the base of retrieving images and it allows the comparison of database images with queries containing various levels of detail, thanks to a hierarchical representation of the database images. In this paper, we create the mosaic of the images and compared the methods of matching sketches descriptor.
Utilizing Effective Way of Sketches for Content-Based Image Retrieval System

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Index Terms

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Image Processing
Keywords

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K-means algorithm

Image Database.