CONTENT-BASED RETRIEVAL IN RISC ENVIRONMENT

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ABSTRACT

It is generally argued that the content-based search and retrieval is essential for effective utilization of image information. However, the natural subjectivity associated with the image contents is dealt through the concept of similarity-based retrievals and the concept of accessing the underlying database is modified to accommodate query by example. In any such system, a user is interested in getting all those images which are “similar” to the query image as opposed to a typical database query which results in a set of matched instances. This paper presents architecture of a spatial similarity-based retrieval system, which provides abstract representation of the image contents and an indexing mechanism to quantify the extent of similarity. The system is generic in nature and can be employed in a variety of real-life application domains.