Abstract

In fields such as medical, art galleries, museums, archaeology, medical imaging, trademark databases, criminal investigations, images especially the digital images grow in quantities of thousands and sometimes even lakhs every year. Content based image retrieval is required from such large databases. This paper compares various CBIR techniques based on the performance evaluation parameters namely, precision, recall, LIRS and LSRR. Euclidean Distance is used for the purpose of similarity measure.

References

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Index Terms
Computer Science
Image Processing

Keywords
Content Based Image Retrieval (CBIR); Discrete Cosine Transform (DCT); Discrete Sine Transform (DST); Walsh Transform; Row Mean (RM); Column Mean (CM); Row Column Mean (RCM); Forward Diagonal Mean (FDM); Backward Diagonal Mean (BDM); Forward Backward Diagonal Mean (FBDM); Euclidean distance; Precision; Recall; Length of Initial Relevant String of images (LIRS).