Abstract

Now-a-days Content based Image Retrieval (CBIR) techniques are in great demand in every field. In this paper a new approach is proposed for retrieving images. Color Features is extracted from HSV image using color histogram. The texture feature gets extracted from the RGB image by applying GLDM technique. Feature vectors of query image and database image are compared using similarity measures. After comparisons distance vectors are added to get a resultant vector. The images are ranked according to the resultant vector and retrieved. This approach is implemented using MATLAB8.0. The results and conclusions are shown in the paper.

References

1. Yang-Hoon Kim, Hyuk-Jun Kwon, Jong-Gu-Kang and Hangbae Chang,” The study on content based multimedia data retrieval system”, Multimedia Tools and Application an International Journal © springer science business media, LLC
New Approach for Content based Image Retrieval System using Texture and Color Features


2. Stian Edvardsen, “Classification of Images using Color, CBIR Distance Measures and Genetic Programming”, An evolutionary Experiment, Norwegian University of Science and Technology Department of Computer and Information Science, 2006.


5. Wikipedia, the free encyclopedia/texture/texels.


Index Terms

Computer Science Image Processing

Keywords

Content-based Information Retrieval, color model, HSV, Euclidean distance, texture, GLDM.