Abstract

The basic motive of the search engines lies in the fact that, it should be able to retrieve results with utmost accuracy and efficiency. Image search engines are nowhere exceptional. They should retrieve images from the database which are similar to the query image. Existing image search engines largely depend on the keywords provided by the users for effective search. In this paper, we have discussed the disadvantages of keyword based search as well as the basics of Content Based Image Retrieval (CBIR). In particular, we discuss the pros and cons of CBIR based on Color and Texture properties of the images and suggest a new parameter for search, the entropy.

References

- Rahul Metha, Nishkhol Mishra, Sanjeev Sharm, "Color – Texture based image
- MatLab Manual.
- Content-Based Image Retrieval: http://pages.cs.wisc.edu/~beechung/docs/papers.html
- Liana Stanescu, IADIS International Conference on Applied Computing, 2005 on-line software system for content-based visual query of a color medical imagery.

**Index Terms**

Computer Science  
Signal Processing

**Keywords**

Image Processing  
Cbir  
Histogram  
Wavelet Decomposition  
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Entropy