Color and Texture based Image Retrieval

Abstract

Content Based Image Retrieval is an interesting and most emerging field in the area of "Image Search", finding similar images for the given query image from the image database. Current approaches include the use of color, texture and shape information. Considering these features in individual, most of the retrievals are poor in results and sometimes we are getting some non relevant images for the given query image. So, this dissertation proposes a method in which combination of color and texture features of the image is used to improve the retrieval results in terms of its accuracy. For color, color histogram based color correlogram technique and for texture wavelet decomposition technique is used. Color and texture based image retrieval computes image features automatically from a given query image and these are used to retrieve images from database.
References

- Sharmin Siddique, "A Wavelet Based Technique for Analysis and Classification of Texture Images", Carleton University, Ottawa, Canada, Project Report 70. 593, April 2002.

Index Terms

Computer Science Emerging Trends in Technology

Keywords

Cbir Color Based Search Texture Based Searching Color Histogram Pyramid Structure Wavelet Transform Model
Euclidean Distance
Quadratic Distance Metric