Abstract

The Content Based Image Retrieval System (CBIR) is a system, which retrieves the similar images from an image collection based on visual features such as color, texture and shape. It is an active and emerging research field in computer vision. In this paper, content based image retrieval (CBIR) is done using the image feature set extracted from Steerable Pyramid applied on the image at two levels (Level-1 and Level-2) of decomposition. The performance is evaluated using standard bench marks such as Precision and Recall. Our experiments are conducted on a database of 445 images with five different classes and successful matching results are obtained by using Steerable Pyramid Level-2.

References

- Dr. Fuhui Long, Dr. Hongjiang Zhang and Prof. David Dagan Feng,”
Fundamentals of Content-Based Image Retrieval,"

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Computer Science
Image Processing

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Content Based Image Retrieval (CBIR) Steerable Pyramid (SP).