Abstract

Image classification demands major attention with increasing volume of available image data. The paper has shown performance boosting of image classification after associating Bit Plane Slicing with Block Truncation Coding (BTC) for feature extraction. Here more significant bit planes were considered for extraction of feature vectors. RGB color space was considered to carry out the experimentation. A database of 900 images was used for evaluation purpose.

References

Different Precision Value of Unsupervised Content Based Image Retrieval. Computational Intelligence and Computing Research (ICCIC)(2011)

- Dr. H. B. Kekre, Dr. Sudeep D. Thepade, Rik Kamal Kumar Das, Saurav Ghosh, "Image Classification using Block Truncation Coding with Assorted Color Space", International Journal of Computer Applications(IJCA), April 2012 edition
Performance Boost of Block Truncation Coding based Image Classification using Bit Plane Slicing

- H. B. Kekre, Sudeep D. Thepade, Shrikant P. Sanas Improved CBIR using Multileveled Block Truncation Coding International Journal on Computer Science and Engineering Vol. 02, No. 08, 2010, 2535-2544
- Image Database http://wang. ist. psu. edu/docs/related/Image. orig(last referred on 20/05/2012)

Index Terms

Computer Science Image Processing

Keywords

Bit Plane Slicing Btc Cbic Rgb