Performance Boost of Block Truncation Coding based Image Classification using Bit Plane Slicing

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

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Index Terms

Computer Science

Image Processing

Keywords

Bit Plane Slicing  Btc  Cbic  Rgb