Abstract

The image forgery detection is important tools in digital multi-media analysis. Now a day’s digital multi-media faced a problem of copy paste and tampering by different multi-media authoring tools. The tampered and copy paste image change the actual scenario of original image and its illegal process in current scenario of multi-media. For the detection of image forgery various pixel and transform based method are applied. The applied method is better in some detection and estimation, but faced a certain limitation. In this paper proposed texture based image forgery detection. The texture based image forgery detection is very efficient in terms of detection ratio. For the extraction of texture feature used discrete wavelet transform function. For the generation of block used partition clustering technique. the partition clustering technique creates the block of original and forged image. The proposed algorithm is simulated in MATLAB software and used very famous dataset MFIC2000.
Digital Image Forgery Detection based on Texture Feature and Clustering Technique

5. Raymond B. Wolfgang and Edward J. Delp “A Watermark For Digital Images”.
10. Yu-Feng Hsu, Shih-Fu Chang “Detecting Image Splicing Using Geometry Invariants And camera Characteristics Consistency”
12. Chi-Chung Hsu , Tzu-Yi Hung, Chia-Wen Lin, Chiou-Ting Hsu “Video Forgery Detection Using Correlation of Noise Residue”

**Index Terms**

Computer Science  
Image Processing
Keywords

Image Forgery, DWT, Cluster Segmentation, Texture