Abstract

Digital watermarking is the mechanism by which security is provided to the sensitive data which is stored in the databases in the form images. In this process, all the essential features of an image are extracted and calculated after which this original image is implanted into the watermark image. In this research paper, GLCM and PCA algorithm has been utilized in order to improve the working capability of the neural network based watermarking technique. Therefore, the features of the original images are extracted with the help of GLCM and PCA algorithm. The scaling factor defines the output of the PCA algorithm which is used for implementation. On the basis of simulation results it is concluded that proposed algorithm performs well in terms of PSRN and MSE and MATLAB tool is used for the implementation of the proposed method.

References


Index Terms

Computer Science

Algorithms
Keywords

GLCM, PCA, PSRN, MSE, Scaling Factor