Abstract

The technique that hides the information within an original image without causing much affects on the originality of the image is known as digital image watermarking technique. This technique is mainly used for copyright protection or rightful ownership. The main objective of mostly all the techniques is to enhance the imperceptibility which is done by maintaining the robustness of the image. In this paper a new technique is proposed that is based on the frequency domain which is known as the SVD-DWT-DCT along with Kalman filtering. Comparisons are made in the earlier available as well as the new proposed technique. It is seen through the experimental results that the new proposed technique provides better results along the PSNR and MSE parameters.

References

Novel Technique to Create a Secure Medical Image Watermarking


Index Terms

Computer Science Image Processing

Keywords

SVD, DWT, DCT, Kaman Filtering, PSNR, MSE