A Robust Chaotic Randomization for LSB Image Watermarking

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Abstract

As the number of internet services are increasing which include different kind of data transfer. So security of these digital data for the proprietorship is highly required. This paper has proposed invisible digital watermarking technique for providing security of the proprietorship. Here proposed work has embedded watermark in the image by utilizing LSB technique, with chaotic function for increasing the confusion of embedding positions at edge and flat region. Experiment is done on real as well as artificial images and comparison is done with existing techniques. Results shows that proposed work is highly robust against various as compare to previous techniques.

References


Index Terms

Computer Science    Image Processing
Keywords

Color Format, Digital Watermarking, Frequency domain, LSB.