An Improved Image Steganography Technique using Quantized Range Table Pixel Value Differencing

Abstract

Steganography is a way of hiding the information transmitting from sender to receiver and making the communication invisible. To enlarge the capacity of hidden secret information and to produce indistinguishable stego-image from original image with human eye, a new steganographic approach using improved pixel value differencing in a segment of four pixels and range table using perfect square number is proposed in this paper. The experimental results show that the proposed method is highly efficient in hiding the information and also the proposed scheme is secured against the RS detection attack. Besides, the embedded secret information can be extracted from stego-image without the assistance of original image.

References

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**Index Terms**

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**Keywords**

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