A Novel Approach of Encoding for Image Steganography with Reduced Data Content

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Abstract

Image Steganography is the technology that is being used to provide secure communication between the sender and the receiver. As the technology enhances, security becomes the important concern. Thus, image Steganography helps in embedding the data behind the image with the original image so that unauthorized user cannot access the data. In this paper, different techniques of image Steganography are discussed. This paper also concludes the comparison of the proposed technique with the existing techniques. Encoding of the data will reduce the risk of data tampering by unauthorized user and increase the security of the system. So the image format conversion is also used that will provide additional security to the data. Experiments have been performed with the proposed and existing technique and result proves that the efficiency of the proposed method is better in terms of security.

References

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Index Terms

Computer Science Image Processing
Keywords

Steganography; Stego Image; YcBcr; Run Length Encoding; Data hiding