Abstract

Image steganography is a technology that communicates the secret data by the carrier image. A quality data hiding scheme should hide huge secret data in the carrier without demeaning the quality of the carrier. This paper, discusses a high hiding capacity reversible data hiding scheme with low distortion. It incorporates double-embedding strategy projected for storing secret data in carrier. The proposed scheme uses the inverse embedding method in thesecond embedding strategy to increase the hiding capacity and decrease the distortion at the same time for all type of images. The experimental results demonstrate that the proposed scheme performs well for embedding secret data into color image as well as gray scale images with desired
characteristics of high hiding capacity and good stego image quality.

References


Index Terms

Computer Science
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Keywords
Double embedding  PSNR  MSE