Abstract

Steganography is one of the vital topics in the field of information security. In this paper we propose, a new Steganography algorithm that generates and brings out steganographic secret information hidden in images. In the proposed algorithm, the cover image is partitioned into four non-overlapping blocks and the confidential data bits are also divided. The data bits are embedded in scattered way into the four blocks. In each pixel either single colour channel or two colour channels are used to embed the confidential data bits depending upon the size of the data bits. The proposed method generates low MSE value and high PSNR value. The experimental outcome shows, the algorithm can overcome drawbacks of many existing algorithms.

References


Index Terms

Computer Science

Security
Keywords
Steganography  MSE  PSNR