Abstract

The digital world is growing day by day; many new risks have emerged during the exchange of information around the world; and many ways have evolved to protect the information. In this paper, this paper will conceal information into an image by using three methods that concentrate on the compression of the date before hiding it into the image and then compare the results using Peak Signal to Noise Ratio (PSNR). The three methods that will be used are Least Significant Bit (LSB), Huffman Code, and Arithmetic Coding and then the result will be compared.

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**Index Terms**

Computer Science Security

**Keywords**

Least Significant Bit (LSB), Arithmetic Coding, ASCII code, PSNR, zigzag scanning