

A method to hide text in image

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Abstract:

The needs for steganography techniques for hiding secret message inside images have been arise. Thus this paper is to create a practical steganography implementation to hide text inside image. It enables the user to provide the system with both text and cover, and obtain a resulting image that contains the hidden text inside. The proposed method consists of two major parts, the first, is procedure to hide a text into a digital image, and the second, is procedure to get a hidden text from it. We use the Least Significant Bit method to hide the message or text, in order to keep the features and characteristics of the original image. By experiment and implement of this method by MATLAB® language, the method seems work in a better case by hiding and getting text from a digital image which is used as a carrier of this text.

Keywords: Steganography, LSB technique, image hiding, information hiding, Embedding, Extracting.

1. Introduction

Steganography is very old method used around 440 B.C. The scientific study of steganography in the open literature began in 1983 when Simmons [1] in his seminal work stated the problem in terms of communication in a prison.

Steganography is derived from the Greek word Steganos which means Covered or Secret, and Graphy means written or drawn. The objective of steganography is to send a message through some media known as a carrier, to a receiver, while preventing anyone else from knowing that the message exists. The carrier can be one of many different digital media, but the most common is the image. The image should not attract any attention as a carrier of a message and