A Survey on Image Steganography Techniques

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Abstract

Steganography is an important technique for information hiding in any digital object. Steganography technique is the science that includes communicating secret information in an appropriate digital multimedia cover objects such as audio, video and image files. The main objective of steganography is to hide the existence of the embedded data. Steganography technique has improved the security of existing data hiding techniques by the outstanding development in computational power. Objectives of steganography are Undetectability, robustness and capacity of the concealed data, these key factors that separate it from related techniques like cryptography and watermarking. This paper delivers a survey on digital images steganography and covering its fundamental concepts. The development of image steganographic methods in spatial representation, in JPEG format and also discuss the recent development in the field of image steganography. Specific generally used approaches for increasing steganographic security are summarized and significant research developments are also discussed.

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A Survey on Image Steganography Techniques

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A Survey on Image Steganography Techniques

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A Survey on Image Steganography Techniques


A Survey on Image Steganography Techniques

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