Abstract

There have been a number of proposed methods to conceal information using steganographic techniques. Images are the favoured carrier due to the large capacity for concealed information and relative ease to work with. A number of methods exist to conceal text as well as image data within images. This paper proposes an information embedding scheme with improved concealment of secret images within larger images using a fractional embedding scheme. It explores the natural redundancy of image data, as well as limitations of human perception and
statistical attacks to provide better subjective and objective concealment.

References

- Philip Bateman, Dr. Hans Georg Schaathun, "Image Steganography and Steganalysis", Department of Computing, University of Surrey, 2008.

Index Terms

Computer Science

Image Processing

Keywords

Steganography Steganalysis Hiding Semi-blind Blind Image-in-image Steganography