Abstract
This paper describes the methods to increase the capacity of the cover image for information hiding. In this paper we have proposed three novel multiple least significant bit replacement techniques KIMLA and KAMLA and KAMLAC to increase the information hiding capacity of the cover image. Comparative results of KIMLA, KAMLA, KAMLAC and their previous version KMLA [1] are also shown. These novel techniques use multiple LSB'S bit replacement technique to hide the secret information. The proposed methods KAMLA and KIMLA and KAMLAC have shown better results for AFCPCV, PBC ratios and they have been tested for secret information in image as well as text form.

Reference

- H.C. Wu, N.I Wu, C.S. Tsai and M.S. Hwang, “Image Steganographic scheme based on pixel-value differencing and LSB replacement methods”, VISP(152), No. 5, October 2005

**Index Terms**

Computer Science

Wireless

**Key words**

Steganography

Steganalysis

LSB matching

LSB substitution
AFCPV
PBC
KMLA
KIMLA
KIMALC
KAMLA