Abstract

Information security is one among the top level issues that have being addressed since a decade and intensively focused on nowadays. As owning the information is considered having the power these days, maintaining this information secure is among the only ways to maintain this power. During the last decade, several techniques for information security were under research. One of these areas is the security of information communication. Among the techniques handling this issue is the digital image watermarking. The aim of this paper is to present several works in this area and compare the performance of such techniques. In this paper we focus on Least Significant Bit (LSB) techniques in spatial domain, starting with a description of the latest work carried out over LSB and ending with making a comparison between various LSB watermarking schemes.
Digital Image Watermarking based on LSB Techniques: A Comparative Study


Index Terms

Computer Science

Image Processing

Keywords

Watermarking, LSB, least significant bit, spatial domain, gray images, information security, digital image.