A Novel Approach to Angle based Invisible Text Watermarking with EBCDIC Coding

Volume 61 - Number 20
Year of Publication: 2013

Authors:
Priyanka Verma
Rakhshan Anjum Shaikh
Ketki Deshmukh

10.5120/10198-4995

Abstract

Due to excessive proliferation of multimedia, security of digital data has always posed challenges to the researchers. Watermarking of digital data serves the purpose of authentication of ownership and rights of distribution of digital data. A digital watermark is a robust, secure message or a logo, embedded directly into a document; however the watermark may be visible (non blind watermarking) or invisible (blind watermarking). This paper present a new technique of embedding the watermark into the text document where the watermark is mapped as rotation of particular letters in the text based on the proposed lookup table which is prepared using EBCDIC code. The proposed scheme is a blind watermarking scheme which proves to be better in terms of imperceptibility, robustness and fidelity.

References


ChaoLi Ou, "Text Watermarking for Text Document Copyright Protection", Computer Science 725 Term paper.


A Novel Approach to Angle based Invisible Text Watermarking with EBCDIC Coding


Index Terms

Computer Science

Security

Keywords

Digital watermarking copyright protection pseudo random number generator
LFSR
EBCDIC coding
Text document