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

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

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

Engineering, ISSN-2277-1956.
- ChaoLi Ou, “Text Watermarking for Text Document Copyright Protection”; Computer Science 725 Term paper


**Index Terms**

Computer Science  
Security

**Keywords**

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