Abstract

Authentication and copyright protection of digital data is a matter of big concern in the present times. As forgery techniques are becoming more sophisticated day by day, incidents of copying and tampering of digital data without the owner’s permission are on the rise. Digital data can be manipulated and copied easily, therefore it becomes important to protect owner data by using some rights protection system. In this paper, various approaches to protect digital data (Audio, Video etc.) using watermarking techniques are discussed. Watermarking is one of the best approach to protect digital data and prove user authenticity. Watermarking technique provides protection against illegal distribution of digital data. Watermarking is a process to embed some noise tolerant signal in the original signal. This technique is very effective against various types of attacks on the digital data and hence provides a robust solution for data theft cases. This paper is a review of different watermarking techniques for protecting digital data.


3. Y. Liu, Digital video watermarking robust to geometric attacks and compressions, Ottawa, Canada: A thesis submittted to the fullfilment of of the requirement for the degree of Doctorate of Philosophy, 2011.


48. A. Lavanya and V. Natarajan, "Data hiding using histogram modification of difference in medical images based on block division," Chennai, Tamil Nadu, April 2012.


Index Terms
Keywords

Video Watermarking, Data Security, User Authenticity