Abstract

A video watermarking algorithm using the two techniques such as discrete wavelet transform (DWT) and Singular value decomposition (SVD) Based on the block selection procedure. Using the two watermarks to increase the level of authentication as we are using the watermarks is original watermark video and other is owner’s finger print. Based on the sub-band selection scores the embedding process is done by using the watermark which are embedding in the cover video watermark. DWT-SVD based video watermarking is relatively a new technology that has been proposed to solve the problem of illegal manipulation and distribution of digital video for example movie piracy. To restrict it we use the process of embedding copyright information in video bit streams, observes various attacks and archive maximum probability to retrieve that information, the proposed technique is more robust to all the possible attacks that is proved from the simulation and experimental results.


7. Glenn Van Wallendael, Student Member, IEEE, Andras Boho, Jan De Cock, Member, IEEE, Adrian Munteanu, Member, IEEE, Rik Van de Walle, Member, for High Efficiency Video Coding with Video Adaptation Capabilities, IEEE Transactions on Consumer Electronics, Vol. 59, No. 3, August 2013.


Index Terms

Computer Science

Image Processing
Restrict Piracy of Videos using DWT-SVD based Video Watermarking

**Keywords**

DWT, SVD, Authentication, Watermarking, Sub Band Selection Scores