Abstract

It is proven by various researchers in the past literatures that watermarking is the fabulous
Fibonacci Series based Watermark Embedding in a Video

technique for copyright protection. Especially in video, it takes much time for watermark embedding & so for the extraction due to redundancy of watermark embedding. Solution to this problem is just embed the watermark in any one frame decided randomly but due to frame dropping attack it is difficult to detect the watermark. One more solution to this problem is to identify the key-frames and embed the watermark in the key-frames only. This solution proves best for so many attacks like frame dropping, frame collusion and frame averaging. But limitation is to identify the exact key-frames, so to avoid this, in this paper author proposes to select the frames for watermarking as per their Fibonacci series. This scheme will save the time to identify the different scenes or key-frames & will gives better performance with the same effect. An experimental results show that the scheme is really proves better than the existing schemes.

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Fibonacci Series based Watermark Embedding in a Video

133-137

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Index Terms

Computer Science  Security

Keywords

Video  Dwt  Fibonacci  Watermark