Abstract

In MPEG video encoding, the next frame is encoded based on the previous frame. For forward replay of the video, extraction of data of the next frame from the current frame is a trivial process. However, for backward replay, it may not always be possible to extract data of the next (previous) frame completely from the currently displayed frame. In this paper, we propose a method for extracting unpredictable portion of a frame from MPEG video. This helps in extracting the desired portion rather than decoding the entire frame.

Reference


http://www.cmlab.csie.ntu.edu.tw/cml/dsp/training/coding/mpeg1/index.html

[5] "Motion Estimation in MPEG I",
http://www.cmlab.csie.ntu.edu.tw/cml/dsp/training/coding/motion/me3-1.html


[7] Steve Hoelzer, "MPEG-2 overview and MATLAB codec project", April 18, 2005,
http://www.cs.cf.ac.uk/Dave/Multimedia/Lecture_Examples/Compression/mpegproj/


Index Terms

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Key words

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