VIDEO SUMMARISATION USING CONTOURLET TRANSFORM AND ECLUDIAN DISTANCE

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ABSTRACT

Video summarization is representing the full video in terms of key frames and is the main key process in the video content management system to summarize the video and content searchers can easily search particular scene from given video using this technique and also users can easily find summary of the given video without seeing full video. Key frames provide a most desirable abstraction for video indexing, browsing, and retrieval. Key frame extraction process is to represent the full video in terms of short video clips and gives information about that video. In this work, video summarization in terms of key frames are extracted using feature vectors, which are obtained from features calculated for each sub-band in the contour let transform. Where the energy and standard deviation features of each sub - band are used to form a feature vector. The experimental results proved that this novel method had more accuracy rate and low error rate.

KEYWORDS: Contourlet, Key Frames, Energy, Euclidean Distance, Accuracy Rate, Error Rate