Abstract

Due to emerging interest in videos, there are various sites which provide different kinds of videos but it is not necessary that every video holds original content. Video Copy Detection process comes into picture to differentiate between original and duplicate videos. Video Copy Detection basically deals with finding out similarities between the content of two given videos. Hadoop is a distributed platform which makes use of MapReduce programming model. It has two phases i.e. Mapping and Reducing phase. Brightness Sequence algorithm along with TIRI-DCT algorithm is implemented to overcome the problems in the existing system. OCR is used in order to detect the copied videos based on subtitles or any other form of text present in the video. The framegrabber(), which is a JAVA method, is used to convert the videos into multiple frames at different time instants.

References
1. Jing Li, Xuquan Lian, Qiang Wu and Jiande Sun “Real-time Video Copy Detection Based on Hadoop,” Sixth International Conference on Information Science and Technology Dalian, China; May 6-8, 2016.


Index Terms

Computer Science

Information Systems

Keywords

Video copy, TIRI-DCT, Brightness sequence, OCR, training video, querying video, Hadoop, MapReduce, hash, plagiarism, HDFS, FFMPEG, frames, copied video.