

ABSTRACT

A video is presented by sequence of frames and connected by constant time interval. *Internet video browsing* is a searching from video sources located in the internet network. The vast quantity of video in internet makes a problem for its searching. The main problem is no available index for videos to help searching. This index is got from video shot and scene.

Shot is an recording from camera without stop. Scene is a collection of a visually and temporally related shot. A single scene contains story about its video. From this, we can make a video table of content in order to help its searching. Hence, shot and scene identification is needed. This final project studies and analyzes how *twin-comparison* and *intelligent unsupervised clustering* algorithm indentify video shot and scene.

Keywords : shot identification, scene identification, video table of content, *twin-comparison*, *intelligent unsupervised clustering*.