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Detection of Cut Transition in Videos Using Optical Flow and Clustering

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Sections

I. Introduction

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II. Literature Review

Metadata

III. Proposed Methodology

Abstract:

In our everyday lives, videos have become an immersive and interactive media of communications. The huge number of video makes it very hard to peruse and get the necessary data. Manual indexing and analyzing the contents of videos is time consuming process. The automatic detection of some events within the video is a clear option of this problem. The collection of frames or images from a single camera is referred to as a shot in a digital video sequence. The abrupt changes of shots from one scene to another are the determination of shot boundary. Shot detection is just one of the basic techniques for digital video analysis. The process of video shot detection is also considered as basic temporal segmentation which is needed as a pre-

IV. Optical Flow Technique

V. Clustering Based Methods

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Figures