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Soft Computing: Theories and Applications

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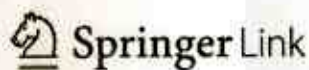
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A Formal Study of Shot Boundary Detection Approaches—Comparative Analysis

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Abstract

In the past, video recording and video databases were relatively small. This makes the manual keyword indexing and retrieval easy. However, in recent years, videos are now a major source of learning, and shot boundary detection (SBD) is the very first step toward video annotation. Through this paper, we want to throw a light on different SBD approaches proposed recently and analyze them based on some existing measures. We evaluated various methods showing the diversity of SBD and tried to facilitate the identification of manuscripts related to the reader's interests.

Keywords

Cut transitions detection Frame retrieval General framework
Shot boundary detection Structural similarity Video summarizing
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