Survey on Algorithms for Object Tracking in Video

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Abstract

Object tracking is a very essential task in many applications of computer vision such as surveillance, vehicle navigation, autonomous robot navigation, etc. It contains detection of interesting moving objects and tracking of such objects from frame to frame. Its main task is to find and follow a moving object or multiple objects in image sequences. Normally there are three stages of video analysis: object detection, object tracking and object reorganization. This paper presents a brief survey of various video object tracking techniques like point tracking, kernel tracking and Silhouette tracking algorithms.

References

1960 by ASME


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**Index Terms**

Computer Science

Algorithms

**Keywords**

Object tracking, point tracking, kernel tracking, silhouette tracking.