Abstract

Detection of movement of objects is very important in various areas. In this paper we present various techniques related to motion detection of moving objects. Existing methods for moving object detection are mainly the frame subtraction method, the background subtraction method and the optical flow method. The aim is to develop mathematical models, algorithms and technologies to build a machine with vision capabilities as advanced at least as human eyesight.

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**Index Terms**

Computer Science  
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**Keywords**

Motion detection, Frame subtraction, Background subtraction, Optical flow method.