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.

References


5. Hazi Wang and David Suter, "Background Subtraction Based on a Robust Consensus Method," Monash University, Clayton Vic. 3800, Australia.


9. Ching Yee Yong, Rubita Sudirman, Kim Mey Chew 2011. Motion Detection and Analysis with Four Different Detectors, Third International Conference on Computational Intelligence, Modelling & Simulation, IEEE.

10. Suwich Tirakoat 2011, Optimized Motion Capture System For Full Body Human Motion Capturing Case Study of Educational Institution and Small Animation Production, IEEE.


13. B.D. Lucas and T. Kanade, An iterative image registration technique with an application to stereo vision, Proc. 7th International Joint Conference on Artificial

**Index Terms**

- Computer Science
- Pattern Recognition

**Keywords**

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