Abstract

The tracking of motion of color object and detection of objects in real time video sequences is the important task in computer vision, video processing, image processing, intelligent system, etc. In this paper, we proposed Continuously Adaptive Mean Shift (CAMSHIFT) tracking with Color, Scale and Direction. In the CAMSHIFT the scale of the kernel is automatically altered in accordance with the object scale, and also follows the object direction accurately, when an initial adoption of the object shape is provided. The proposed method tracks the object accurately and efficiently.


Index Terms

Computer Science

Artificial Intelligence

Keywords

Continuously Adaptive mean shift, object tracking, color, scale, direction kernel.