Abstract

This paper proposes a method to recognize hand gestures from a video and use the same for mouse controls. It uses coloured gloves to detect specific region of hand easily. By using this method, The occlusion problem due to colour can be treated easily. Hand gestures are recognized by tracing the RGB colours from the markers automatically from the proposed method. There are other methods in recognizing the hand gestures like using IPA (Infrared Proximity Array) and TOF (Time of Flight) Cameras. The proposed device is much economical as it doesn't need any additional hardware to implement. By this method both user's hands and markers are used as the input device to control the pointers and can play the games using the same.

References

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Index Terms

Computer Science  
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Keywords

Touch less  Gesture  sign language  web camera