Abstract

Gesture recognition means the identification of different expressions of human body parts to express the idea, thoughts and emotion. It is a multi-disciplinary research area. The application areas of gesture recognition have been spreading very rapidly in our real-life activities including dance gesture recognition. Dance gesture recognition means the recognition of meaningful expression from the different dance poses. Today, research on dance gesture recognition receives more and more attention throughout the world. The automated recognition of dance gestures has many applications. The motive behind this survey is to present a comprehensive survey on automated dance gesture recognition with emphasis on static hand gesture recognition. Instead of whole body movement, we consider human hands because human hands are the most flexible part of the body and can transfer the most meaning. A list of research issues and open challenges is also highlighted.
Dance Gesture Recognition: A Survey


- Konar, A., Atulya, K. N., Saha, S. Shreya Ghosh, S. 2013. Gesture recognition from indian classical dance using kinect sensor. In Fifth International Conference on Computational Intelligence, Communication Systems and Networks
- Efron. ,D 1941 Gesture and environment: A tentative study of some of the spatio-temporal and linguistic aspects of the gestural behavior of eastern Jews and southern Italians in New York city, living under similar as well as different environmental conditions. King&apos;s crown Press, New York.


**Index Terms**

Computer Science  
Pattern Recognition

**Keywords**  
Gesture, hand gesture, automated dance gesture, vision-based gestures, glove-based gestures.