Modern day computers are shifting from pointer based devices to systems based on human actions and interaction methods. Thus, gesture and voice recognition forms an integral part of research. In gesture recognition, hand gestures of natural languages have a great potential in development of vision based hand interaction. The paper presents Hand Gesture Recognition method based on Walsh Transform and also presents its comparative study with other popular transforms DCT and Haar. The approach consists of three important phases 1) Image Pre-processing 2) Image Transformation 3) Image Recognition. Best accuracy was found to be 100 per cent.

Index Terms

Computer Science Pattern Recognition

Keywords

Hand Gesture Recognition, Walsh Transform,