Abstract

Creating gestural recognition system is a challenging task which requires skills and updated applications. It is required for designer to be skillful and innovative in order to create interesting and acceptable gestures. Gesture Recognition Design Toolkit (GRDT) is set of tools designed to simplify the gesture creation process for non experts. From designing a new gesture, to suggesting the best fit, to test it for false positive activation, till final selection, are the step-by-step functions of Gesture Recognition Design Toolkit. Creating gestural recognition system, interface designers encounter many challenges throughout the process. Selecting the best gesture for a particular motion with low probability of false positives is one of many. This study explores ways to improve the functionality and enhance the efficiency of gestural library using machine learning techniques and data mining.

Index Terms

Computer Science
Pattern Recognition

Keywords

Gesture design toolkit (GRDT)  Motion gesture recognition  Every day gesture library  Recommender  False positives.