Abstract

Brain computer Interfacing is a means of communicating to the outside world through brain thoughts. In the design of a Brain computer Interface, signal processing and classification techniques are the most important techniques. This paper aims at comparing the various algorithms and techniques required for detection of essential features for the classification of human emotions recorded using Electroencephalogram. This paper shows the advantages, disadvantages and accuracy of the different methodologies.

**Index Terms**

Computer Science  
Signal Processing

**Keywords**

Brain Computer Interface  
EEG  
Feature Extraction  
Emotion Quantification