SmallSEOTools

PLAGIARISM SCAN REPORT

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Brain Computer interface (BCI) is like a communication system that recognize command of users only from his or her brainwaves and reacts according to them. For this purpose PC and subject is trained. A Simple activity can be desired direction or motion of an arrow displayed on the monitor only through subject's imaginary of something (e.g. motion of his or her body parts). As the result of this imaging process, certain characteristics of the brainwaves are raised and these waves can be used for user's command recognition, e.g. motor mu waves (brain waves of alpha range freq. associated with physical movements or intention to move).
An EEG(Electroencephalogram) based Brain-Computer-Interface (BCI) provides a new communication link between the human brain and a computer. Patients who suffer from paralysis, severe motor impairments (severe cerebral palsy, head trauma and spinal injuries) may use such a BCI system as an alternative form of communication by mental activity.
The use of EEG signals as a vector of communication between men and machines represents one of the new challenges in signal theory research. The main element of such a communication system, more known as “Brain Computer Interface”, is the interpretation of the EEG signals related to the characteristic parameters of brain electrical activity.

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