<https://www.researchgate.net/publication/314289498_Forehead_EEG_in_Support_of_Future_Feasible_Personal_Healthcare_Solutions_Sleep_Management_Headache_Prevention_and_Depression_Treatment>

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brain activity is transmitted via a cable connected from the EEG

cap to a computer. This cable limits the usefulness of BCI. To

solve this problem, the developed EEG headband (Fig. 1)

features a wireless transmission module and a chargeable

battery that support recordings without connection to a

computer and enable users to move freely. With this freedom,

wireless and wearable EEG devices have been used in

experiments involving complex activities such as driving [39].

This convenient EEG acquisition system can be used to

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