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Multiscale entropy-based analysis and processing of EEG signal during watching 3DTV

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Abstract:

Background and Objective: With the development of 3DTV, the visual fatigue caused by watching 3DTV is getting more and more attention. Therefore, it is extremely important to study 3DTV's effects on human health.

Methods: This paper utilized multiscale entropy (MSE) to analyze the variations of EEG signals in the occipital lobe before, during and after watching 2DTV and 3DTV for one hour respectively.

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