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Detection and Analysis of ERPs for Social Cognition Evaluation

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Abstract

This paper describes an approach for elicitation, acquisition, and analysis of event-related potentials (ERPs) for social cognition evaluation . We used images of emotional content that were classified into three groups according to their valence: pleasant, unpleasant, and neutral. An application for stimuli generation based on the emotional oddball paradigm (EOP) was developed, and a commercial wireless EEG headset was used for signal acquisition. The ERPs of 13 volunteers for the three types of