

Single Channel Eye-Blinking Artifacts Detections



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For neurophysiological data sharing, it is vital for researchers to validate their data from different perspectives. Detection of eye artifacts is especially important since the artifacts may distort the data to an unacceptable extent. Most methods for their correction either require EOG channels or they are very time consuming. This paper proposes a fast method that does not require EOG channels. It outperforms amplitudebased methods in accuracy and Independent Component Analysis in computational complexity.

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