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Detrended fluctuation analysis of human brain electroencephalogram. (English)

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Summary: With detrended fluctuation analysis, we investigate the dynamics of human brain electroencephalograms. Long-range temporal correlation and scaling behavior are observed, and certain characteristics of Alzheimer's disease are revealed.

MSC:

92C55 Biomedical imaging and signal processing

92C20 Neural biology

92C50 Medical applications (general)

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nonequilibrium kinetics

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