

# **EEG ANALYSIS OF OPERATIONAL SYNCHRONY BETWEEN HUMAN BRAIN CORTICAL AREAS DURING MEMORY TASK PERFORMANCE**

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The problem of correspondence between the EEG and the elements of complete subject activity, including mental and cognitive acts was observed. It was shown that maps of coincidences of the rapid transitional periods (RTP) in multichannel EEG markedly changed depending on the current cognitive activity of the subjects during multistage memory task performance. The interpretation of such a coincidence process – operational synchrony – was made.