SIMULATION OF ELECTROENCEPHALOGRAPHIC WAVES

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The paper is related to the records published by the author in "Elektronische Informations Verarbeitung und Kybernetik" (Berlin) about computer simulation of some neuronal network properties. A model, based on neurophysiologicaly proved connections between cortex and the reticular formation was built up; that model reproduces the "alpha", "gamma" and "delta" EEG waves when the input excitation of the nervous system is normal, strong or weak, respectively. The waves were drawn by an IBM-360/40 computer.