

SOFTWARE AND HARDWARE OF INSTRUMENTATION FOR HUMAN STATE CONTROL IN INFLUENCE FIELD OF MICROWAVE RADIATION

(Abstract)

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A comparative assessment of devices using different informative characters. Algorithms of processing signals. Reaction adequacy to the measure, chosen for the accepted scale of values. Control equipment of primary reactions, stress depth, anomaly, ability to function and restore a normal human state after influence of microwave radiation. Diagnostic tests for assessment of character and severity of changes after influence of microwave radiation on human organism. Construction principles of control systems. Methods and equipment for processing distributed computer environment data flows including neural network training, analysis and training manager processes. Dynamics calculation of possible process development in human organism. Assessment devices of functional instability, general weakness, inertness, multiplicity of extreme norma variants, operating unconformity of signal systems. An assessment of human adaptability for activity during microwave radiation influence on human body. Chronotropic equipment for human state diagnostics.

Key words: microwave radiation influence, human state control, distributed computer environment, neural networks, chronotropic effect.