

ABSTRACT

The work consist of 80 p., 22 fig., 6 tables, 2 append, 12 sources.

The theme: «Systems of stabilization of unstable regimes in the social and educational process of a student».

COGNITIVE MAP, SOCIAL-EDUCATIONAL PROCESS OF STUDENT, UNSTABLE REGIMES, CONTROL SYSTEM, STABILIZATION.

This work is devoted to the study of the unstable regime of the student's social and educational process and the methods of its stabilization.

With the help of a cognitive map representing a weighted tentative graph, the student's socio-educational process was presented, which is unstable. To stabilize the unstable impulse process of a cognitive map, a transition to a model in the state space was made and methods of control theory based on reference models were applied. Also, in the case of unknown values of the weights of a cognitive map, a recursive least squares method was used to evaluate the model parameters.