ABSTRACT

Master's dissertation contains of:

100 pages;

60 figures;

12 tables;

3 lists of graphics;

24 soutces in the list of references.

In this master's thesis, a laboratory was developed to perform laboratory work on the topic of synthesizing sequential correctors for linear automatic control systems. The choice of the controller and other hardware parts of the stand was made, modeling of laboratory work options was carried out, and a graphical interface was developed in the Matlab environment.

The developed installation and the results of the research will be used to implement the laboratory work at the AEMS-EP department. Perfection and consolidation of knowledge on the course "theory of automatic control" among students.

CONTROLLER, GRAPHICAL USER INTERFACE, PD-CONTROLLER, PI CONTROLLER, SCALING CONVERTERS, TRANSIENTS, QUALITY INDICATORS

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Approved.		S. Peresada.						