

## **Abstract**

Bachelor's degree project on "Automation styrene purification process" includes an explanatory note Extent 64 page specification for the functional circuit Extent of 7 pages.

Explanatory note contains 5 sections 1 and 8 of Annex literature.

Bachelor thesis project in the analysis of technological schemes purification process styrene as facility automation. The functional scheme of automation of the same process. In this paper the peculiarities of rectification column as the object of control. For the same system developed mathematical models of static and dynamic modes. With these models calculations of static characteristics for channel management. The synthesis control system. In this section, conclusions and recommendations on the use of various regulators.

In carrying out graduation project used methods of automatic control theory, mathematical modeling.

The results of the thesis published at the conference. The main results can be used for preliminary estimation of the actual settings control systems.

The results of theses published in international conferences. The main findings can be used to estimate the parameters of real systems configuration management.

Keywords: rectification, column rectification circuit control circuit automation, mathematical model, static characteristic, the channel disturbances, channel management, dynamic characteristics, safety, specification of equipment.