

## **Abstract**

Bachelor's degree project entitled "Automation of process of vacuum distillation of fuel oil" contains an explanatory note in volume 74 pages, 3 sheets of drawings A1.

Explanatory Note contains 18 figures, 3 tables, 1 addition and 17 references. In sections of the explanatory note the analysis process of production, designed automatic control system, the mathematical model of static and dynamic modes control object, setting the regulator made in accordance with technological requirements of the process, made the calculation of the measuring device and analyzed the influence of modes of service automated system, made the calculation of the basic requirements for safety.

Keywords: hydrogenation, cyclohexanol, automation, separator, object management, transfer function, transfer characteristic, the synthesis of the regulator, safety.