

Abstract

Bachelor's degree project entitled "Automation evaporation fluids in production Stirol" contains an explanatory note in volume 74 pages, 1 sheets of drawings A1 format and 2 sheets of drawings A2.

Explanatory Note contains 21 figures, 1 tables, 1 addition and 22 references.

In sections of the explanatory note the analysis of the process of production; designed automatic control system; developed a mathematical model of static and dynamic modes of evaporator ethylbenzene; regulator settings made in accordance with technological requirements driving this process; proposed cascade-combine system drop and level control lime generator based on modern microprocessor complex; calculations of labor protection in the conduct of the process of production Stirol.

Keywords: automation, evaporator ethylbenzene, process, facility management, the scheme of automation, control, regulation, alarm, locking system emergency protection, measurement, transfer function, transition process, security.