

Abstract

Bachelor's degree project entitled "Automation of the production process of acetic anhydride" contains an explanatory note in volume 54 pages, 3 sheets of drawings.

Explanatory Note contains 12 figures, 2 tables, 1 addition and 9 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 channel and analyzed the influence of modes of service automated system, made the calculation of the basic requirements for safety.

Keywords: acetic anhydride, tubular reactor, automation, object management, transfer function, transfer characteristic, the synthesis of the regulator, safety.