

Abstract

The degree project on the topic " Automation of the process butylenes alkylation of isobutane " contains volume an explanatory note 75 pages, 3 sheets of drawings.

Explanatory note include 15 figures, 4 tables, addition, 10 literary sources. The addition consists of the specification of devices and means of automation, calculation regulatory systems in a medium MathCAD and presentations

In the explanatory note the analysis of the technological state of production; developed an automatic control system; derived a mathematical model of control object; analyzed the main dangers of protection labor.

Keywords: alkylation, heat exchange, isobutane, sensor, reflux, automation, microprocessor controller, facility management, digital regulator safety.