Coursework on discipline
«Mathematical models of chemical reactors»
specialty 8.05020202
Computer-integrated technological processes and production
Denysuik M.Y. group НА-51м
Subject: "Computer calculation the process of hydrochlorination of ethyn to vinyl chloride"

Within the course of the project has been described technology hydrochlorination ethyn to vinyl chloride, its basic physical and chemical singularities   methods receipt, and ways to improve the prospects for the development of production.

Also in this study it was chosen mathematical model for calculating the tubular reactor hydrochlorination Ethyn to vinyl chloride in the fixed bed catalyst $HgCl_2$ and calculations for this mo delhi in the Visual Basic environment in 2013 and decided this task in an environment MathCad. The calculations used the method of Runge-Kutta.

As a result, it was determined that the degree of methane conversion 98.6%, the length of the reactor is 16.9 m.