Thematic Section: Electromagnetic Fiel	ds	Full Paper

Subsection: Chemical Technology.

Registration Code of Publication: 11-24-1-99

Publication is available for discussion in the Internet as a material of "All-Russian Working Chemical Conference "*Butlerov's Heritage-2011*". http://butlerov.com/bh-2011/Contributed to editorial board: February 15, 2011.

Simulation of the dehydrogenation of butenes in the electrodynamic catalytic reactor

© Igor H. Bikbulatov, Rustem R. Daminev, Nikolay S. Shulayev,**
Ekaterina A. Shulaeva, and Lev R. Feoktistov

Branch of the Ufa State Oil Technical University in Sterlitamak.

October St., 2. Sterlitamak, 453118. Bashkortostan, Russia.

Phone: (3473) 29-11-27. E-mail: suldf@yandex.ru; E-mail: nshulayev@rambler.ru

*Supervising author; *Corresponding author

Keywords: microwave electromagnetic radiation, an electrodynamic reactor, the mathematical model, technological environment, dehydration, simulation-modeling system.

Abstract

The results of investigations on a mathematical model of electrodynamic reactors and methods of development of simulation-modeling complex "Dehydrogenation of butene in the electrodynamic installation".