

Longitudinal Mixing in Fast Liquid-Phase Chemical Reactions in a Two-Phase Mixture

V. P. Zakharov and F. B. Shevlyakov

Bashkir State University, Ufa, Bashkortostan, Russia

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Abstract—The possibility of diminishing the diffusion limitations in the course of fast chemical reactions in liquid–gas systems by varying the reactant ratio and the rate of longitudinal mixing in the liquid phase and at the phase boundary (via changes in the geometry and hydrodynamic parameters of flow in tubular apparatus) was examined.

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