Institute of Chemical Engineering

The effect of deviations of process parameters from optimum parameters on the work of catalyst carriers in multi-tubular reactors

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Abstract: Vanadium-titanium catalysts deposited on structural carriers work in industrial multi-tubular reactors most often in conditions deviated from optimum parameters. As a result we observe distinct differences in productivities of the process in individual tubes of the reactor. The effect of deviations from optimum pa-rameters on thermal-flow characteristics of structural catalysts has been presented. A criterion of the mini-mum generation of the entropy was applied.

Attachments:

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