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Formation of optimal working space in adsorbers with fixed and moving adsorbent beds

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The aim of this study was to analyze the effect of the working space configuration of the adsorber on the working activity of the adsorbent and the purity of the obtained products. The possibility of improving the adsorbent efficiency by means of transverse and longitudinal sectioning of adsorption apparatus is substantiated. Results of an experimental and calculation study of sectioned apparatus are presented. A number of designs of sectioned adsorbers with the optimal working space were developed.

Biography

Naum Samoilov is a Professor of the Ufa State Petroleum Technical University. He has completed DSc in Petroleum Refining and DPh in Chemical Engineering. He is the author of more than 600 scientific works, which were published in prestige journals, patents and transaction of international and regional conferences; also he is the author of 13 monographs and teaching aids.

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