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Method of calculating and optimizing a fractionating absorber having a circulatory irrigating system

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A n algorithm that takes account of the specific nature of absorption heat generation associated with the amount of absorbed components of the feedstock and their sorptivity is proposed for calculating the ratio of heat extractions by circulatory irrigations of the absorber. The principle of optimization of a fractionating absorber having a circulatory irrigation system based on the balance of the cost of cooling of circulatory irrigations and profit from extraction of additional amount of end products from the feedstock is examined.

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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