
Experimental determination of the adsorption equations parameters

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The article presents the description of an experimental installation for the adsorption processes investigation by vacuum adsorbents. The results of air adsorption investigations for activated charcoal CKT-4 type at temperature above 293 K are provided. This mode is interesting as far as adsorbent regeneration is concerned. Values of absorption constants for Genry equation are obtained by two methods . The output analysis has done carried out and besides, recommendations for the experiment procedure to provide the highest accuracy are suggested.

Keywords: *experimental installation, adsorbents, Genry equation, adsorption heat, specific capacity, activated charcoal.*

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