

ANALYSIS OF TEMPERATURE SEPARATION EFFICIENCY IN VORTEX GAS FLOWS

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The paper presents the results of experimental research and a semiempirical procedure of the design of separating vortex tubes. The procedure is arranged taking into account the hypothesis of vortex interaction in whirled gas flows.

Vortex effect, power separation, whirled gas flow, vortex tube, power efficiency, characteristics design procedure.

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