Techniques for tuning of air separation plant control loops

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The article presents analytical models of PI and PID regulators constructed on the basis of the known methods for control loop tuning in the software package "Simulation in engineering devices" for each control loop involved in the process of air separation. Mathematical models of the controlled objects are made up according to the processed statistic data obtained from the operating unit. Techniques for tuning of air separation plant control loops are developed.

Keywords: *automatic control system, control loop, controlled object, process stabilization, rectification, air separation, air separation unit*

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