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ROBUST CONTROL OF A CHEMICAL REACTOR TEMPERATURE REGIME

The paper deals with nonlinear floating control algorithm synthesis of liquid-phase chemical reactor temperature regime. The algorithm provides disturbance invariance, covariance to the setting actions, asymptotic stability and robustness in conditions of uncontrollable parametric and signal disturbances.

Keywords: robust control, analytical synthesis, chemical reactor, synergetic control theory, computer simulation.

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