THE CONTROL OF PLANTS WITH RECIRCULATION

A. V. Dylevskii, G. I. Lozgachev

The problem of finite-dimensional control of infinite-dimensional plants with recirculation is considered. The plant transcendental transfer function is approximated by a fractional rational function of a finite order. The modal finite-dimensional controller ensures to only stability of the closed-system but also the desired property of a transient response.