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Shelenok E.A. (cidshell@mail.ru)

Pacific National University

DECENTRALIZED ROBUST CONTROL OF ONE CLASS OF THE MULTI-LOOP NONAFFINE OBJECTS WITH STATEMENT DELAY

The article deals with the problem of constructing a nonlinear robust regulator for decentralized control system of class of a priori uncertain non-affine dynamic plants with certain state delay that work under the constant external disturbances. As a solution methods the hyperstability criterion and the L -dissipativity conditions are used.

Keywords: robust control, multi-loop dynamic object, prior uncertainty, filter-corrector, hyperstability criterion, L -dissipativity.

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