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COMPOUND CONTROLLER FOR NON-AFFINE MULTI-CONNECTED PLANTS WITH CONTROL LAG

The article deals with the synthesis of algorithms of a multi-connected system to control the non-affine objects, state variables of which are not available for direct measurement. It is shown that the decentralized law of control based on the hyperstability criterion, eliminates the effects of nonlinearities and compensates the external and parametric disturbances in tracking multi-connected system with the required accuracy.

Keywords: non-affine multi-connected system, combined control law, hyperstability criterion, observer of a full order, control lag.

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