FULL TEXT IN RUSSIAN
(http://ics.khstu.ru/media/2018/N55_12.pdf)

Informatika i sistemy upravleniya. – 2018. – No. 1(55). – P. 130-141.

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NONLINEAR-PERIODIC SYSTEM FOR NON-AFFINE STATIONARY PLANT

The article deals with the problem of synthesis of the nonlinear regulator of the control system for non-affine stationary plant that functions in periodic modes under the permanent external disturbances and parametric uncertainty. As solution methods we used the hyperstability criterion, the fast-acting dynamic corrector, and *L*-dissipativity conditions.
Keywords: nonlinear-periodic control, priory uncertainty, filter-corrector, L-dissipativity, hyperstability criterion, non-affine dynamic plant.

DOI: 10.22250/isu.2018.55.130-141

For citation:
Eremin E.L., Shelenok E.A. NONLINEAR-PERIODIC SYSTEM FOR NON-AFFINE STATIONARY PLANT // Informatika i sistemy upravleniya. – 2018. – No. 1(55). – P. 130-141.