

**Informatika i sistemy upravleniya. – 2019. – No. 4(62). – P. 120-131.**

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**HYBRID NONLINEAR CONTROL SYSTEM FOR NON-AFFINE PERIODIC ACTION PLANT WITH STATE DELAY**

The article deals with the problem of developing the discrete algorithms of nonlinear-periodic control system for the class of non-affine stationary continuous plants with state delays, which operate under prior parametric uncertainty. The hyperstability criterion, conditions of  $L$ -dissipativity and continuous models method are used in the solution procedure. The quality of the control system is shown through simulation experiments.

**Keywords:** combined regulator, prior uncertainty, non-affine in control plant, hyperstability criterion,  $L$ -dissipativity, filter-corrector, continuous models method.

**DOI: 10.22250/isu.2019.62.120-131**

*For citation:*

**Eremin E.L., Shelenok E.A.** HYBRID NONLINEAR CONTROL SYSTEM FOR NON-AFFINE PERIODIC ACTION PLANT WITH STATE DELAY // *Informatika i sistemy upravleniya.* – 2019. – No. 4(62). – P. 120-131.