Informatika i sistemy upravleniya. – 2016. – No. 4(50). – P. 33-43.

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**IMPLEMENTATION AND APPROBATION OF "COMPLICATED" CONTROL ALGORITHMS
ON PLC**

An approach to software implementation of non-standard linear control algorithms on programmable logic controllers and testing the synthesized systems combined models including a simulation model of the object and a virtual controller.

Keywords: control, transfer function, simulation model, SoftLogic-system, control program, visualization.

DOI: 10.22250/isu.2016.50.33-43

For citation:

Rybalev A.N. IMPLEMENTATION AND APPROBATION OF "COMPLICATED" CONTROL ALGORITHMS ON PLC // Informatika i sistemy upravleniya. – 2016. – No. 4(50). – P. 33-42.