

Informatika i sistemy upravleniya. – 2020. – No. 3(65). – P.102-123.

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SYNTHESIS OF DECOUPLERS OF THE CONTROL SYSTEM BASED ON VIRTUAL ANALYZERS OF THE RECTIFICATION PROCESS UNDER UNCERTAINTY

The problem of parametric synthesis of decouplers of a rectification column control system based on virtual analyzers under conditions of uncertainty and optimization of controllers and decouplers is considered. The developed control system compensates for the coupling effect of the circuits and ensures optimal performance.

Keywords: virtual analyzer, quality criteria, PI controller, control system, rectification column, decoupler, relative gain array, uncertainty, optimization.

DOI: 10.22250/isu.2020.65.102-123

For citation:

Rychkov D.A., Torgashov A.Yu. SYNTHESIS OF DECOUPLERS OF THE CONTROL SYSTEM BASED ON VIRTUAL ANALYZERS OF THE RECTIFICATION PROCESS UNDER UNCERTAINTY // Informatika i sistemy upravleniya. – 2020. – No. 3(65). – P. 102-123.