

DESIGN OF A SLIDING MODE CONTROLLER BASED ON VARIABLE STRUCTURE SYSTEM

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Abstract:

This paper presents the robust of Sliding Mode Controller according to parameters change and wrote signal noise. Mathematical procedure for calculating the values of the gains of Sliding Mode Controller (SMC) and equation of Sliding Mode (slopes) parameters are determined. The proposed control scheme is derived, simulated and results obtained SMC by using MATLAB Version 7.11. 0.584 (R2010b) Simulink, package (Version 7.6).

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