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PROPOSED FUZZY LOGIC CONTROLLER DESIGN FOR BUCK DC-DC CONVERTER

Abstract

This paper provides the design for buck DC-DC converter system using fuzzy logic as well as sliding mode method. Design of fuzzy logic controller will be based on improvement of imperfection of the sliding mode controller, in particular the robustness and response time of the system. The simulation results of both systems using fuzzy logic and sliding mode are shown as well as compared to signify better of the both.