

SO SÁNH PHƯƠNG PHÁP THIẾT KẾ BỘ ĐIỀU KHIỂN MỜ VÀ PHƯƠNG PHÁP THIẾT KẾ BỘ ĐIỀU KHIỂN SỬ DỤNG ĐẠI SỐ GIA TỬ

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TÓM TẮT:

The human's life quality increases day by day, science and technology must be developed to meet human's demand. "Smart equipments" can make the right decision, behave as human and replace labor. In automation system, fuzzy control and control based on Hedge-Algebra have succeeded and brought high-efficiency. However, this is new and quite complex area needed to be further researched in both mentioned control methods. This paper introduces the effectiveness of the design method of Hedge-Algebra-based controller in comparison with the design method of a fuzzy controller.