

USING HEDGE ALGEBRA TO CONTROL VARIED PARAMETER OBJECT

Trung Kien Ngo, Duy Tien Nguyen, Tuan Quoc Duong, Huy Ngoc Vu, Tan Duc Vu

TÓM TẮT:

This paper presents a controller using Hedge Algebra to control nonlinear object. Then, it opens the possibility for a reasonable application of new theory in the design of automation systems in the industry, suitably for nonlinear objects with variable parameters. The method with a new flexible tool based on quantifying linguistic domains can calculate with higher accuracy than the fuzzy controller