Abstract

This paper describes the use of PID controller, and fuzzy logic controller techniques to control of a motor. Using Matlab/Simulink, this work seeks to identify the strengths and weaknesses of each of the two pilots, for the fuzzy logic controller (Intelligent Control). The system performance is evaluated in comparison with a traditional PID control scheme. Both simulation and experimental results are presented.

References

- J. M. Mendel, Fuzzy Logic systems for engineering: A tutorial, Proceedings of the IEEE,
A Comparison between a Fuzzy and PID Controller for Universal Motor


Index Terms

Computer Science  Circuits And Systems

Keywords

PID Control; Fuzzy Logic Controller; Control of a Motor.