Abstract

Fuzzy logic is an outcome of merging the techniques of traditional rule based expert system, set theory and control theory, which is essentially based on mathematical models of the controlled process. Concept of this paper is to demonstrate how fuzzy logic is used as a problem-solving control system methodology that lends itself to implementation in systems ranging from simple, small, embedded micro-controllers to large, networked, multi-channel PC or workstation-based
data acquisition and control systems. It can be implemented in hardware, software, or a combination of both. FL provides a simple way to arrive at a definite conclusion based upon vague, ambiguous, imprecise, noisy, or missing input information. FL’s approach to control problems mimics how a person would make decisions, only much faster.

References

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Index Terms

Computer Science
Emerging Trends in Technology

Keywords

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