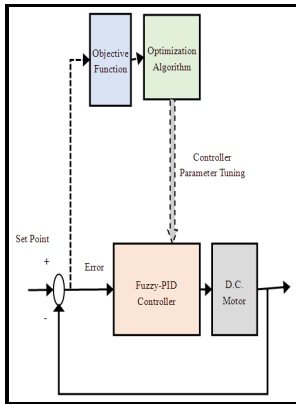


Designing and optimizing fuzzy-logic controllers

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Notes: Thesis (M.A.Sc.)--University of Toronto, 1993.

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[PDF] Particle Swarm Optimization for designing an optimal fuzzy logic controller of a DC motor

In recent years, different algorithms have been hybridized for optimization performance enhancement and extensive application. In: 2006 IEEE International Conference on Fuzzy Systems, Vancouver, BC, 2006, pp.

Optimization of Type

We describe in this paper the use of Particle Swarm Optimization PSO for designing an optimal. ... Zadeh was a mathematician, computerLotfi A.

A survey of Type

Simulation is often essential in the following cases: 1 The model is very complex with many variables and interacting components 2 The underlying variables relationships are nonlinear 3 There is no wastage of money due to damage of circuit components.

A controller based on Optimal Type

HBBOS can effectively maximize the two algorithms' advantages and minimize the defects so that it can obtain better optimization performance. In addition, we propose an analogous definition of CFs on vertices as a special case that captures edge CFs.

Optimization of Type

In the view of the problem of designing and optimization of interval type-2 fuzzy logic controller IT2 FLC for Delta robot trajectory control, a systematic design method is put forward in this paper.

DESIGN AND SIMULATION OF FUZZY LOGIC CONTROLLER USING MATLAB

The security analysis studies the DV discrete variable and CV continuous variable QKD schemes through the four-state BB84 and six-state DVQKD protocols and the two-way CVQKD protocol. Transfer function of each link of the lower limb exoskeleton acquired from a pendulum model, was used in a closed-loop proportional-integral-derivative control system, while each link was assumed as one degree-of-freedom linkage.

DESIGN AND SIMULATION OF FUZZY LOGIC CONTROLLER USING MATLAB

DPT now sends the measured value to the process computer where controller is employed. We prove that determining the existence of a CF in a cyclic network with a size greater than a given number is an NP-complete problem and that the time complexity of computing its capacity rank is lower bounded by that of solving its maximal flow. In general, this process is not computationally efficient.

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