

Parameterization And Compensation Of Friction Forces Using Geneticalgorithms

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Summary

In this paper, the use of genetic algorithms in the parameterization and compensation of friction forces is investigated. The static and dynamic parameters of the friction model are estimated in a single identification experiment. A PI controller with parameters optimized using genetic algorithms is used to control the position of a DC motor with friction. Simulation results are included to demonstrate the effectiveness of the proposed method

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