Abstract

In this paper, an intelligent controller design method for the chaotic permanent magnet synchronous motor stability is presented. Active control strategy is a powerful control technique in stability chaotic systems. Learning algorithm using active control techniques, and then intelligent controller will be used. The proposed method can reduce the dimensions of the controller. A comparative study has been one with active and adaptive neural fuzzy controller. Simulation results show that the proposed controller can be chaotic permanent magnet synchronous motor will converge to the unstable equilibrium points. The controller can zero error, while has been tracking well desired value.

References

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Neural fuzzy, chaotic, permanent magnet motor, synchronization