

An Implementation Direct Torque Control Strategy of Induction Machine Using DSPACE TMS 320F2812

Authors : Hamid Chaikhy, Mouna Essaadi, Aziz El Afia

Abstract : This paper presents an experimental implementation of a new direct torque control strategy of induction machine called twelve sectors direct torque control strategy (12_DTC) using DSPACE TMS 320F2812. The aim of this work is to give an experimental performance analysis of 12_DTC in term of torque, currents distortions and stator flux, to validate simulation results obtained in previous works.

Keywords : 12_DTC, DSPACE TMS 320F2812 torque, stator flux, currents distortions, experimental performance analysis

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