

Comparison between Classical and New Direct Torque Control Strategies of Induction Machine

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Abstract : This paper presents a comparative analysis between conventional direct torque control (C_DTC), Modified direct torque control (M_DTC) and twelve sectors direct torque control (12_DTC). Those different strategies are compared by simulation in term of torque, flux and stator current performances. Finally, a summary of the comparative analysis is presented.

Keywords : C_DTC, M_DTC, 12_DTC, torque dynamic, stator current, flux, performances

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