Abstract

This paper presents a contribution for detailed comparison between two control strategies for Induction Machine (IM) drives: Direct Field-Oriented control (DFOC) and Direct Torque Control (DTC). The performances of those two control schemes are evaluated and compared by simulation in terms of torque and current ripples, transient response and sensitivity to machine
parameters.

References


Index Terms

Computer Science

Control Systems
Keywords

DFOC  DTC  Steady-state performance

Transient performance

Parameter sensitivity