

DIGITAL SIMULATION OF POWER CONVERTERS FOR SRM USING MATLAB SIMULINK

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Abstract

This paper presents simulation results of single phase and three phase asymmetric converter for switched reluctance motor. Switched reluctance motor has advantages like reduced rotor losses, high speed operation and fast response. Single phase converter, three phase asymmetric converter system and three phase converter with dumping resistor are simulated and the corresponding results are presented. The simulation results are compared with the analytical results.