

LIST OF SYMBOLS

I_{S1}, I_{S2}	Stator Currents
V_{S1}, V_{S2}	Stator Voltages
V_{DC}	dc link voltage
θ	Rotor angular position
R_s	Stator Resistance
R_r	Rotor Resistance
i_r	Rotor Current
λ_s^-	Stator Flux Linkages
λ_r^-	Rotor Flux Linkages
ω_r	Rotor Angular Speed
L_s	Stator Inductance
L_r	Rotor Inductance
X_{ll}	Stator Leakage Reactance
X_{lm}	Mutual Reactance
X_{lr}	Rotor Leakage Reactance
λ_s	Stator Flux Linkages
λ_r	Rotor Flux Linkages
L_{ss}	Stator Self Inductance
L_{rr}	Rotor Self Inductance
L_{sr}	Mutual Inductance between Stator and Rotor
δ_r	Rotor Angle
M	Operator
m	Number of phases

S_s	No. of Stator Slots
p	No. of machine poles
i_d, V_d	Direct Axis current, Voltage
i_q, V_q	Quadrature Axis current, Voltage
T_e	Electromagnetic Torque
J	Moment of Inertia