



ABSTRACT

CONTROLLER FOR A SWITCHED RELUCTANCE MACHINE

5 An electric motor controller is disclosed that
controls the torque of a switched reluctance motor by an
angle controller that eliminates the need for a look-up
table. The angle controller employs edge-triggered
monostables to generate a single pulse firing signal
10 which is synchronized with rotor position and whose pulse
length varies with torque demand. An angle firing
circuit utilizing freewheeling is also disclosed.