DESIGN AND IMPLEMENTATION OF PID CONTROLLER FOR A TWO QUADRANT CHOPPER FED DC MOTOR DRIVE

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Abstract

We are going to control dc motor using chopper with PID controller in first &second Quadrant. Firing circuit is designed by using low cost components such as op-amp. and generating a saw tooth wave &comparing it with a ref. Voltage and gives firing pulses for switch. In close loop the ref voltage is compared with feedback to reduce the error.