

FOUR QUADRANT OPERATION OF BLDC MOTOR USING HYSTERESIS CURRENT CONTROLLER

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Brushless direct current (BLDC) motors find wide applications in industries due to their smooth speed control, low inertia constant, high-power density, compact size, higher efficiency, easiness to control, longer life and maintenance due to absence of brush assembly. In this paper, four quadrant operation of BLDC motor which is controlled by PID Controller along with Hysteresis Current Controller is presented.

