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## 0.1 Introduction

This experiment covers the basics of DC motor and PID control.

## 0.2 Methodology

## Open-Loop Speed Control of a DC Motor

- 1. Switch on supply and measure all constant voltages and calibrate variable voltages in terms of voltages and angles in degrees.
- 2. Disconnect all cable wires from the hardware module.
- 3. Make circuitry as shown in Fig. 0.1 for the implementation of open-loop speed control of a DC motor.
- 4. Connect Output A of the motor plant to channel 2 of the oscilloscope.

## .1 Appendix

Additional reference material.

.1 Appendix 2

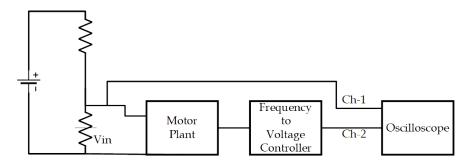


Figure 0.1: Open-loop speed control setup.