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ECE5780/Prelab 7 – Motor Control

1. What is the basic difference between an open and closed-loop control system?
    - Open-loop systems apply a process or algorithm to directly generate their output state from their inputs; they have no method of measuring the actual effect of their actions. Closed-loop control systems use their own output as a secondary input, and calculate a course of action depending on the error between the desired and current state.
2. What do the three letters in "PID" stand for?
    - Proportional, Integral, and Derivative
3. When does proportional control lose effectiveness?
    - It loses effectiveness as the plant output nears the setpoint.
4. Did you watch the intro videos? :-)
    - yes