

Lab 7 Prelab

1. 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. Proportional, Integral, and Derivative
3. Proportional control provides rapid correction when the error signal is large, but loses effectiveness as the plant output nears the setpoint.
4. Yes, I watched the intro videos.