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CS 5780

Lab 7 Pre-Lab

1. What is the basic difference between an open and closed-loop control system?

Open-loop systems directly generate their output state from their inputs. It also means that they have no method of measuring the effect of their actions. Closed-loop control systems use their own output and calculate the correction action depending on the error between the desired and current state.

1. What do the three letters in "PID" stand for?

They stand for stand for proportional, integral, and derivative.

1. When does proportional control lose effectiveness?

Proportional control begins to lose effectiveness as the plant output nears the set point.

1. Did you watch the intro videos? :-)

Yes I did!