Feedback Control Systems Demystified Volume 1 Designing Pid Controllers

PHOEBE BENJAMIN

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Jack W. Lewis

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Understanding Control Systems, Part 2: Feedback Control ...

While I am not a practicing controls engineer but someone who has an interest in the subject I had the fantastic opportunity of reviewing "Feedback Control Systems Demystified: Volume 1 Designing PID Controller" for Mr. Jack Lewis.

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Storm Coming - HOME

In sum, feedback control measures the actual output of a system (like toast in the first example or water temperature in the second) by using a sensor (eyes in both of the examples). Based on the difference between the desired and the measured output, a controller (human in both of the examples) sends a signal to a device (in these cases, the toaster or the shower).

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A feedback loop is a common and powerful tool when designing a control system. Feedback loops take the system output into consideration, which enables the system to adjust its performance to meet a desired output response.

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