

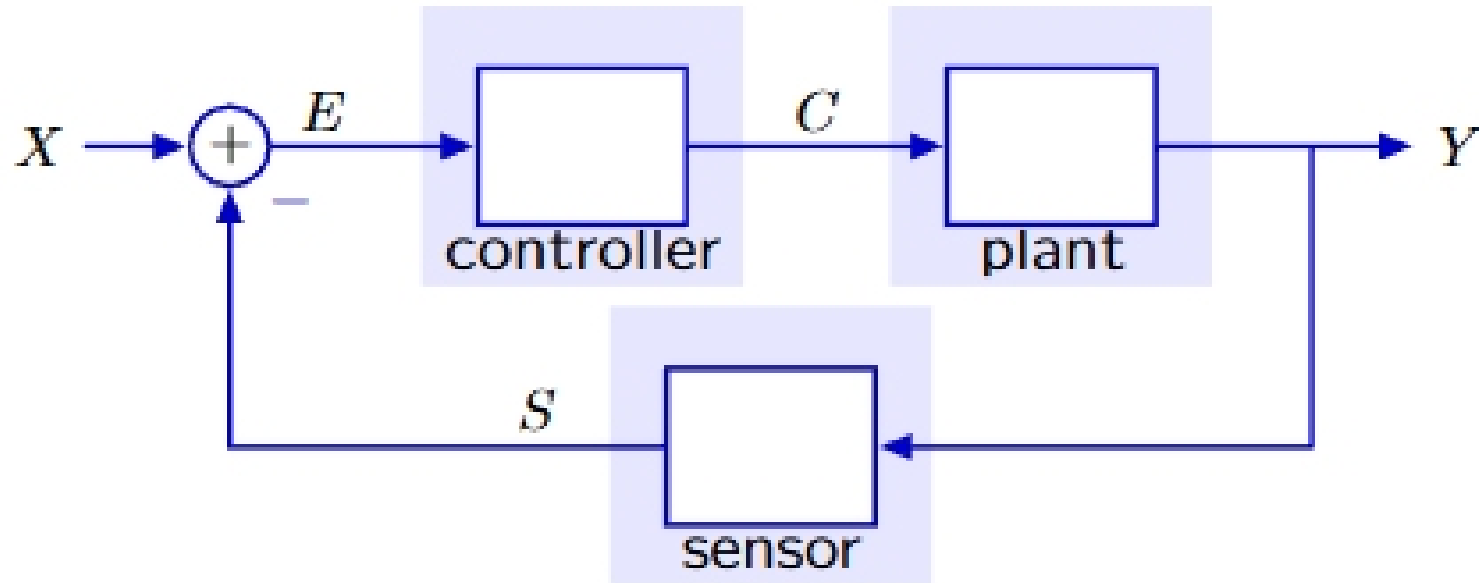
6.003: Signals and Systems

CT Feedback and Control

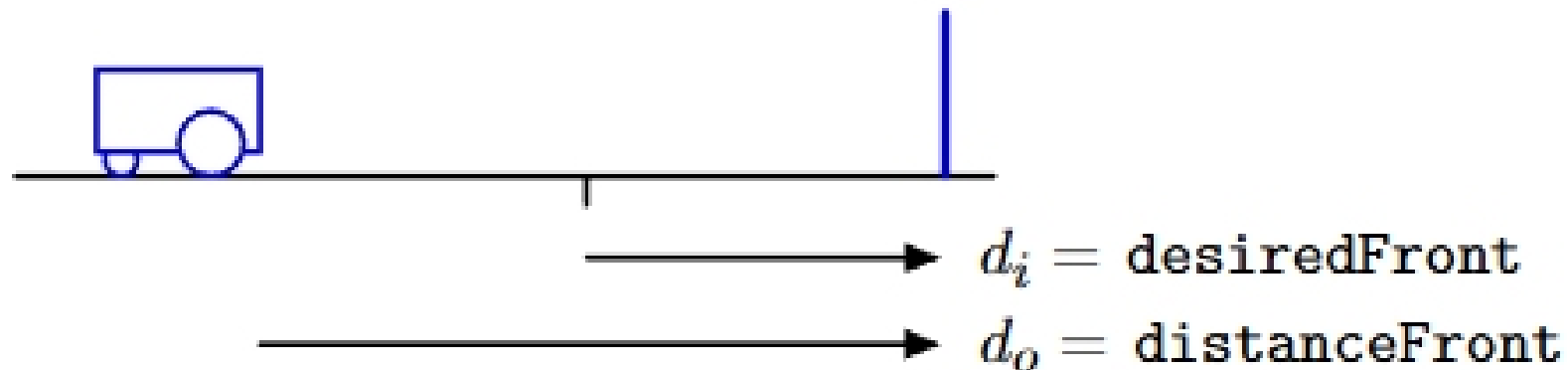
March 18, 2010

Feedback and Control

Feedback: simple, elegant, and robust framework for control.



We started with robotic driving.



Feedback and Control

Using feedback to enhance performance.

Examples:

- improve performance of an op amp circuit.
- control position of a motor.
- reduce sensitivity to unwanted parameter variation.
- reduce distortions.
- stabilize unstable systems
 - magnetic levitation
 - inverted pendulum