

EE 380

Linear Control Systems

Lecture 18

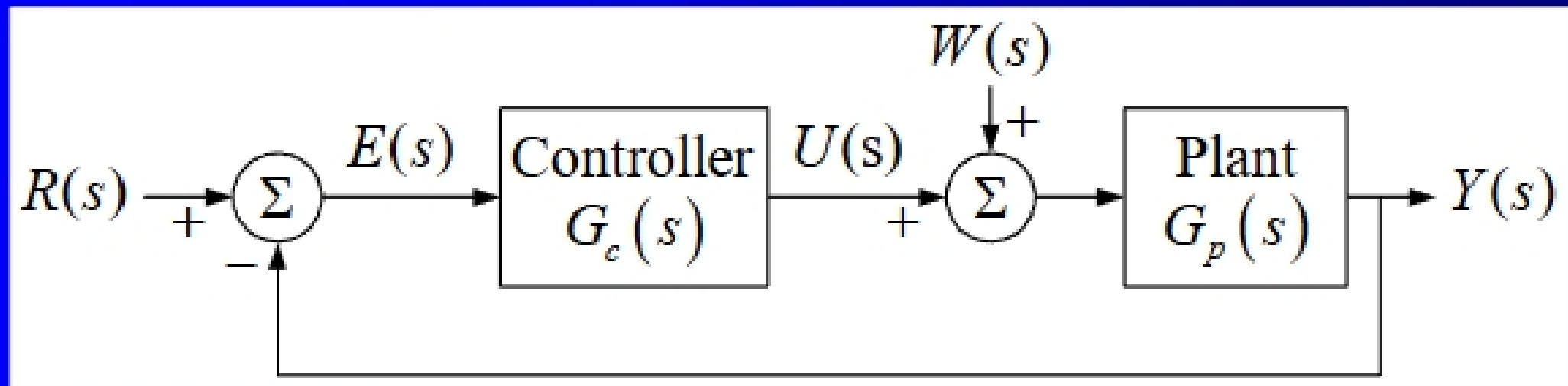
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Lecture 18 Topics

- Common Cascade Compensator
 - Terminology
- Controller Design Objectives
- Three-Term Controller: PID Control
 - History
 - Effect of controller terms
- Guidelines for Selecting Terms
- Examples

Cascade Compensation

- Representative feedback control system



- Terminology
 - $R \rightarrow$ Reference Input
 - $E \rightarrow$ System Error
 - $U \rightarrow$ Manipulated Variable
 - $W \rightarrow$ Disturbance
 - $Y \rightarrow$ Controlled Variable