

EE 380

Linear Control Systems

Lecture 17

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Lecture 17 Topics

- Basic Principles of Feedback
 - Steady-State Accuracy: Non-unity Feedback
 - Disturbance Rejection

Advantages Afforded by Feedback

- Achieve a stable closed-loop system when the plant is unstable
- Obtain desired transient response characteristics
- Reduce the sensitivity of the closed-loop system to parameter uncertainty
- Minimize the steady-state error between the desired response and plant output
- Attain a desired response despite the presence of external disturbances