- A. Introduction
 - 3. Different Control Purposes
 - Supervisory Control

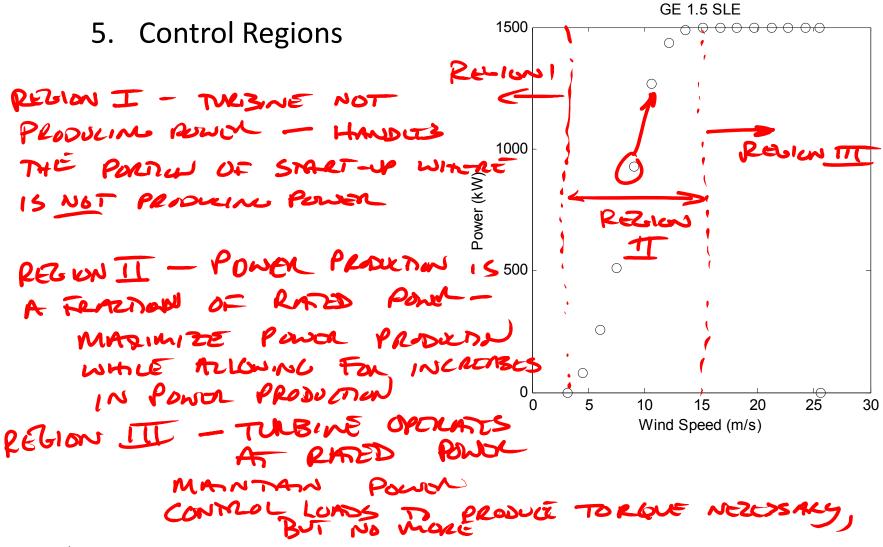
ACTIONS THAT THE TARBLE TAKES

SHAT-UP & SHUT-DOWN

Dynamic Control



A. Introduction



B. Control Basics

1. The System

from The ARE NOT Other Factors that Affect

THIS IS WAS WE PRE TRYING TO COMPANIES IT MAY BE COMPLISED OF MANY SUBSYSTEMS SYSTEM OF SYSTEMS

SYSTEM = PRANT IN CONTRA Inputs

INPUTS (AZNATOS)

COMPONENTS THAT PRODUCE CHALES IN THE SYSTEMOLICE THAILH SOME AZTONChanges in System

MOTUL IS COMMANDED

RE CONSIDERED INPUTS ME/ESE 4470 - Wind & Tidal Power

System Needing Control

Plant

Observations of System

Outputs

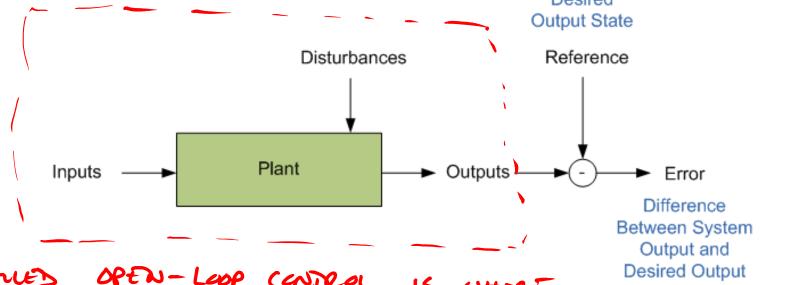
OUTPUTS (Strusons) ALE OBSCRIVETIONS OF THE System THAT TELL US SOMETHAL ABOT ITS STATE

> MOST OFFIN A SENSOR THAT PROMICS INFINLMATION

> > WT Control- 10

- B. Control Basics
 - 2. What is Control?

FIRS STEP IN "CLUSED-LOOP" CATRIL IS TO EMALUATE HOW A COLTANO INPUT AFFERS THE OUTUS NITH DESIRED STATE Desired



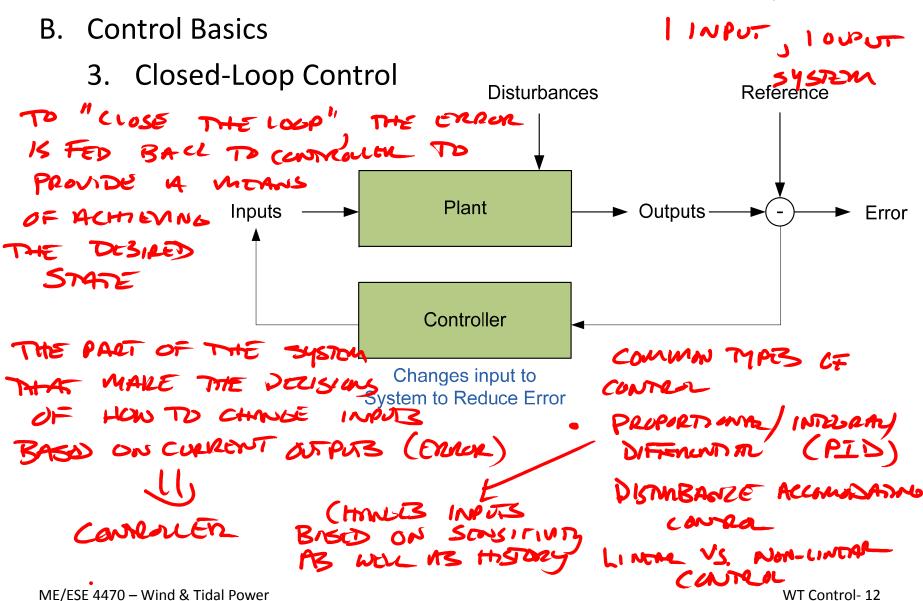
SO CAUES OPEN-LOOP CONTROL

THE MOUTS ARE CHANGE TO CAUSE A CHANGE IN OUTPUT. THERE IS NO COMMUNICATION OF HOW OUTPUT CHARLES COMMUNICATED

MOST CONTRUL TYPE > DO NOT CONSIDER THIS "YEAR" • ME/ESE 4470 – Wind & Tidal Power

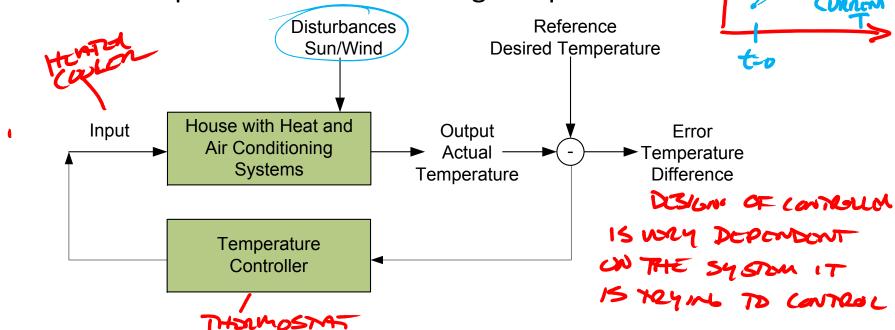
HOWEVON IT PROVIDES WT Control- 11

SIMPLIST TYPE OF SYSTEM



B. Control Basics

4. Example – Control of Building Temperature



OUTPUT - SIGNAL FROM TEMPORATME SONSOL

CONTRACTOR DEZIDES WHETHER TO KEEP HEATING COOLING ON/UTT BUSID ON CURRENT TEMPORATURE

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