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Lecture 30 - Problems on PID Controllers Lecture 31 - Basics of Control design Proportional, Integral and Derivative Actions Lecture 32 - Control design in time domain and discusses the lead compensator Lecture 33 - Improvement of the Transient Response using lead compensation Lecture 34 - Design of control using lag compensators Lecture 35 - The design of Lead-Lag compensators using root locus Lecture 36 - Introduction design of control in frequency domain Lecture 37 - Design of Lead Compensator using Bode Plots Lecture 38 - Design of Lag Compensators using Bode Plots Lecture 39 - Design of Lead-Lag Compensators using Bode plots Lecture 40 - Experimental Determination of Transfer Function Lecture 41 - Effect of Zeros on System Response Lecture 42 - Navigation - Stories and Some Basics Lecture 43 - Navigation - Dead Reckoning and Reference Frames Lecture 44 - Inertial Sensors and Their Characteristics Lecture 45 - Filter Design to Attentuate Inertial Sensor Noise Lecture 46 - Complementary Filter Lecture 47 - Complementary Filter - 1 Lecture 48 - Introduction to State Space Systems Lecture 49 - Linearization of State Space Dynamics Lecture 50 - Linearization of State Space Dynamics - 1 Lecture 51 - Controllability and Observability