

EENG307: Designing Controllers Using Bode Plots, Part 2¹

Lecture 34

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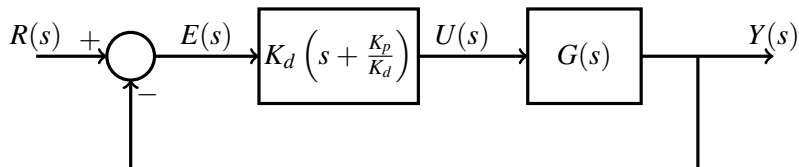
Department of Electrical Engineering
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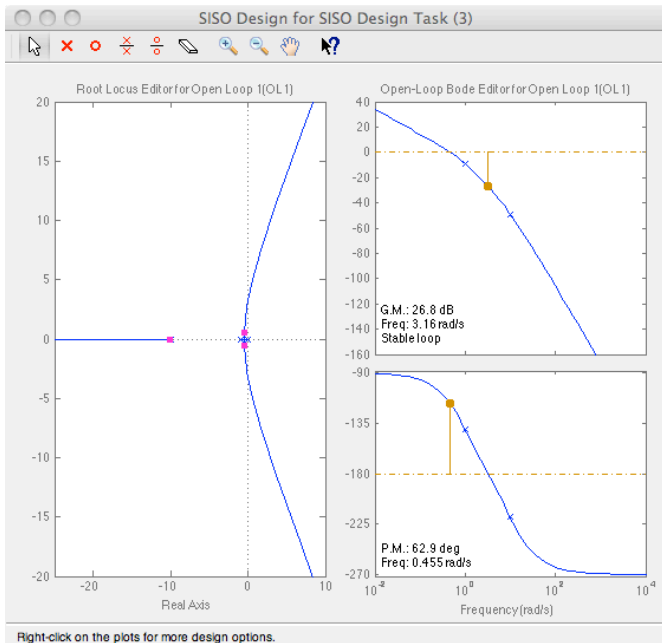
Fall 2022

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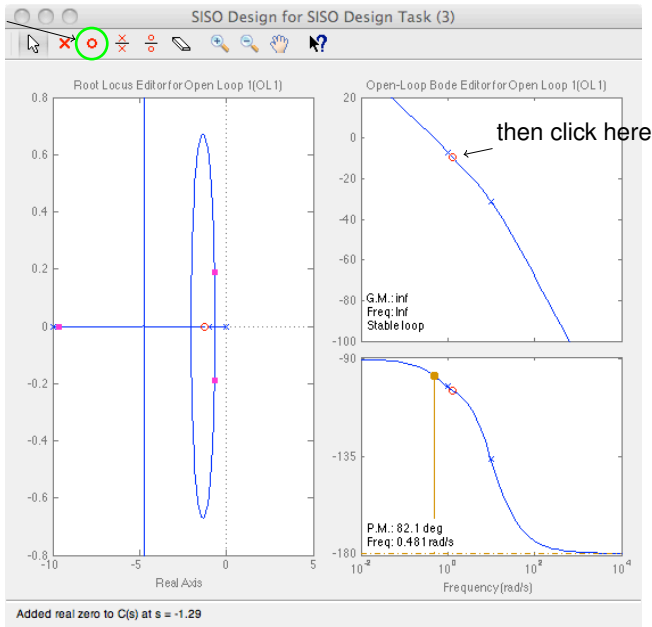
² Developed and edited by Tyrone Vincent and Kathryn Johnson, Colorado School of Mines, with contributions from Salman Mohagheghi, Chris Coulston, Kevin Moore, CSM and Matt Kupilik, University of Alaska, Anchorage

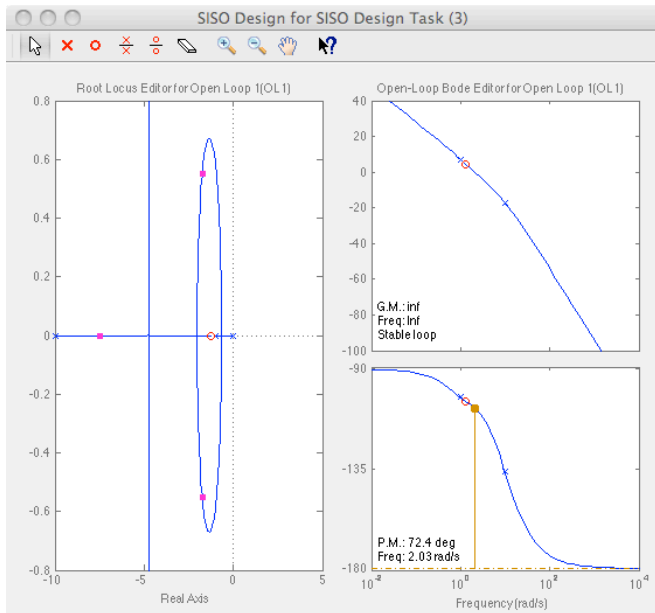
PD Control



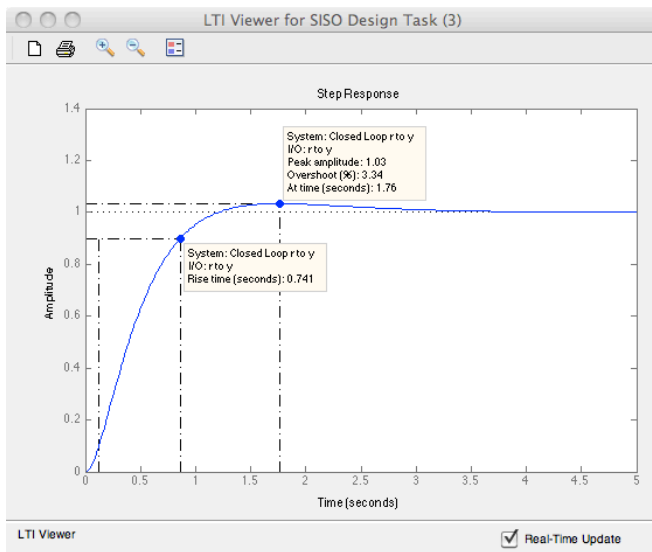


click here





C gain changed to 5.03.
Right-click on the plots for more design options.



Control and Estimation Tools Manager

Workspace

- SISO Design Task
 - Design History

Architecture | Compensator Editor | Graphical Tuning | Analysis Plots

Compensator

C = 5.0299 $\times \frac{(1 + 0.78s)}{1}$

Pole/Zero | Parameter

Dynamics

Type	Location	Damping	Frequency
Real Zero	-1.29	1	1.29

Right-click to add or delete poles/zeros

Edit Selected Dynamics

Select a single row to edit values

Show Architecture | Store Design | Help

PI Control

