

Final Exam review (60 points)

(10 points) Problem 1: Root Locus related

- ✓ will provide a plot/code
- ✓ perform analysis (transient response)

(10 points) Problem 2: Bode plot

- ✓ will provide a plot/code
- ✓ perform analysis (PM, GM, ω_{gc} , ω_{pc} etc)

(10 points) Problem 3: Nyquist plot

- ✓ will provide a plot/code
- ✓ perform analysis

(10 points) Problem 4: Short answer questions

- ✓ complete syllabus

(20 points) Problem 5: PID control / Lead-lag compensator /

- ✓ design
- ✓ Matlab based

Phase margin - Gain margin

~~Lead-lag~~