ECE 461/661 Handout #34

Meeting Design Specs in the z-Plane

Given the system

$$G(z) = \left(\frac{0.2}{(z-0.9)(z-0.5)} \right)$$

design a compensator, K(z), that results in

- A type-1 system, and
- A closed-loop dominant pole at z = 0.6 + j0.4