Step Response (varying K_p)
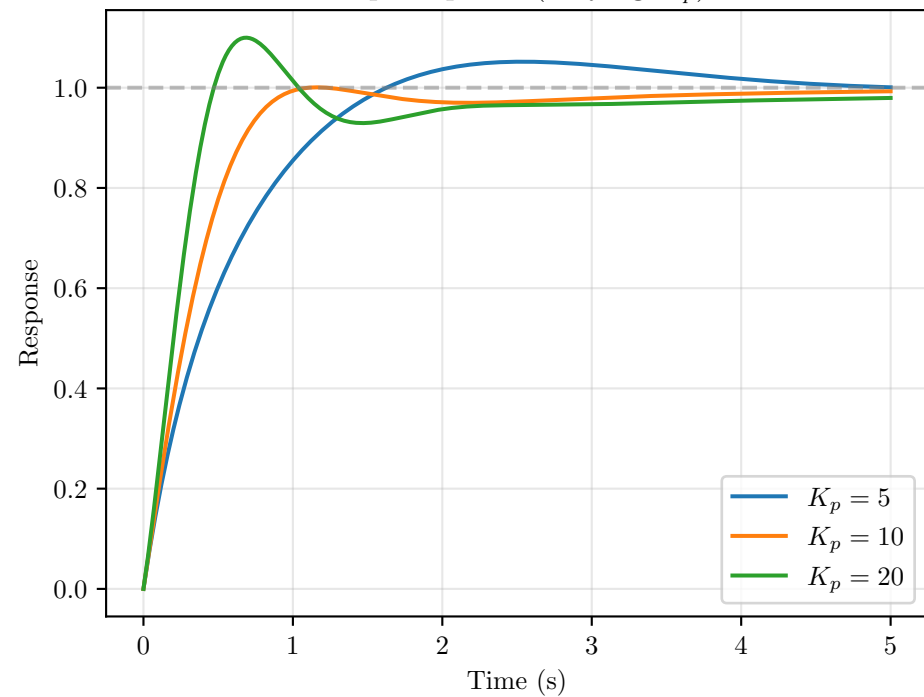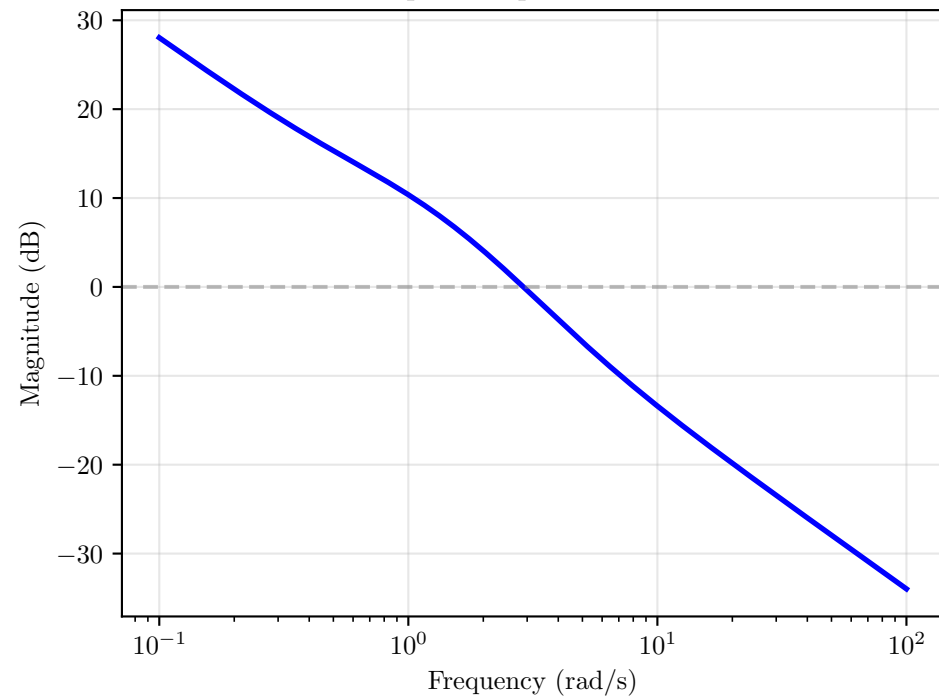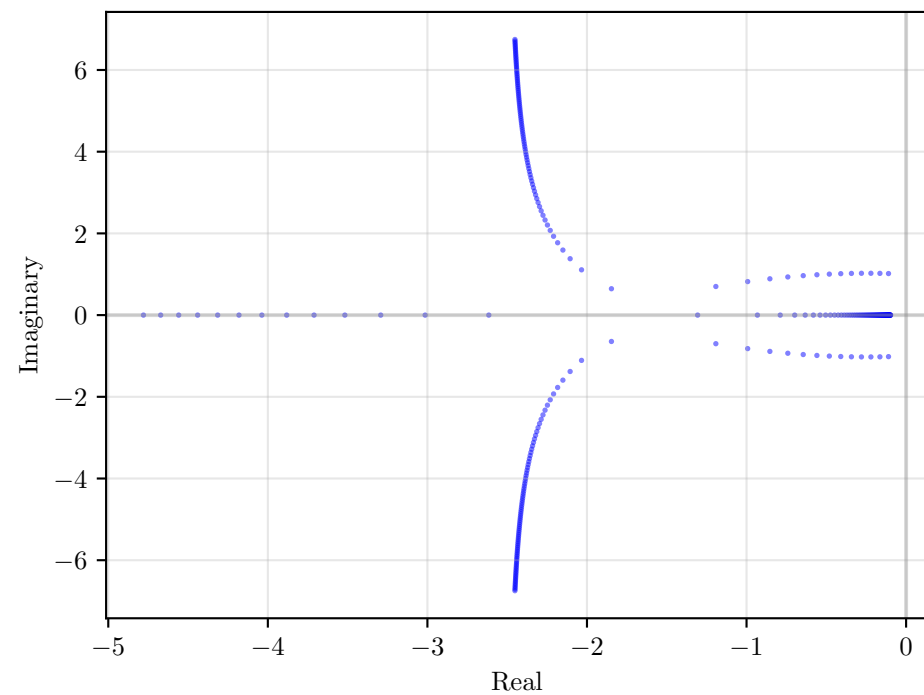
Open-Loop Bode Plot

Root Locus

Error Signal