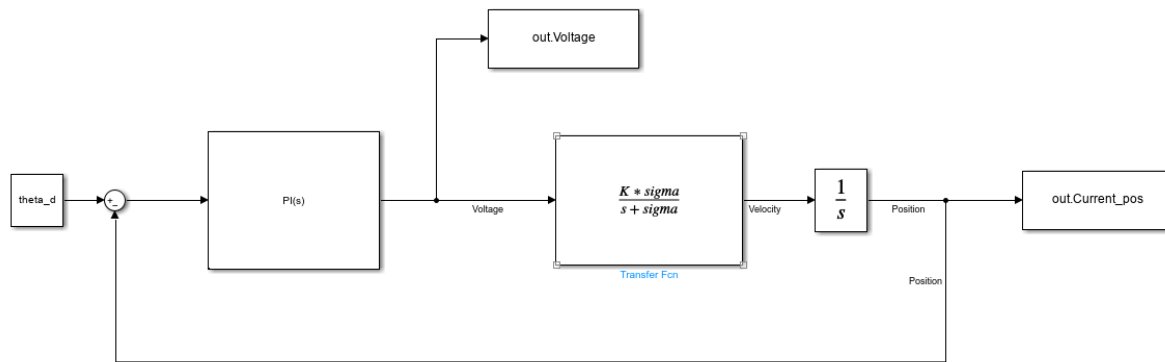
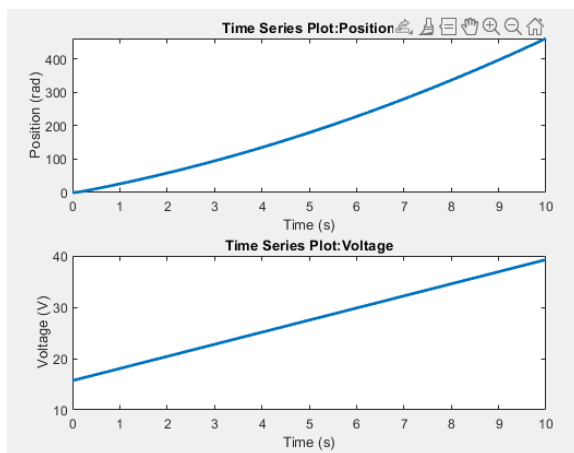


Our Control Design



The method to choosing our gain values was a bit of guess and check with some rusty feedback control knowledge. I knew from doing an initial trial where both K_p and K_i were 1 that K_p was going to need to be higher while K_i is close since there was a bit of overshoot but no oscillation. Through so more trial and error, a K_i of 0.75 and a K_p of 5 we got a good-looking graph.

Open-Loop



Closed Loop

