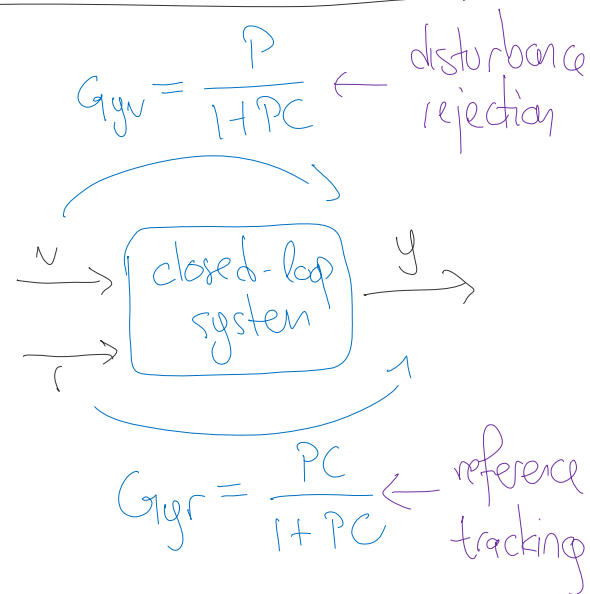
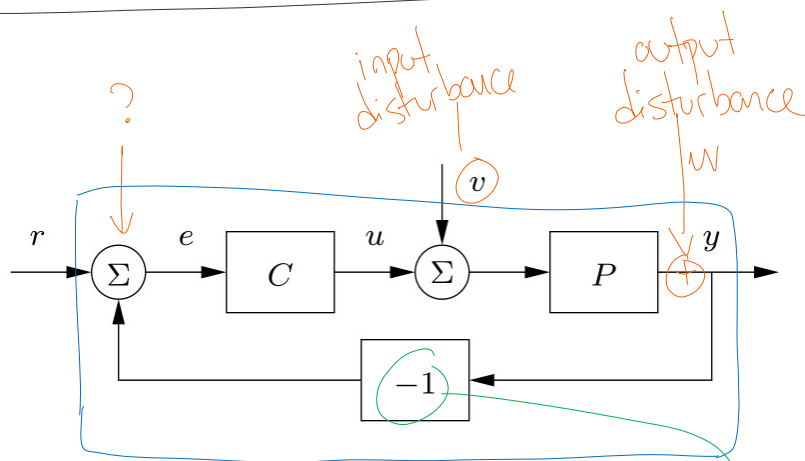


Prof: Sam Burden

TA: Haonan Peng

\*if/when possible: keep video on; unmute to ask Questions

\*update your preferred name at identity.uw.edu

today: ☒ HWO assigned - due Fri Oct 9☒ week 1 lectures posted (~2.5 hours)□ office hour ← starting @ 1:40p  
→ Colabocatory notebook\* ideally:  $G_{yv} = 0$ ,  $G_{yr} = 1$ 

but:

$$G_{yv} = \frac{P}{1+PC}$$

$$G_{yr} = \frac{PC}{1+PC}$$

$$G(s) = -1$$



$$\tilde{y}(t) = -\tilde{u}(t)$$

$$G_{yr} = \frac{1}{1+PC}$$

$$\tilde{y}(t) = -\tilde{u}(t)$$

so:  $\frac{1}{P} G_{yv} + G_{yr} = \frac{1+PC}{1+PC} = 1$