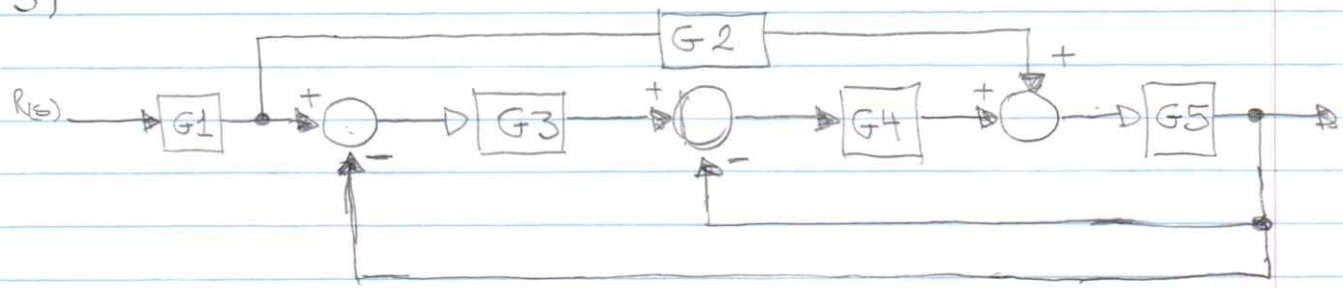
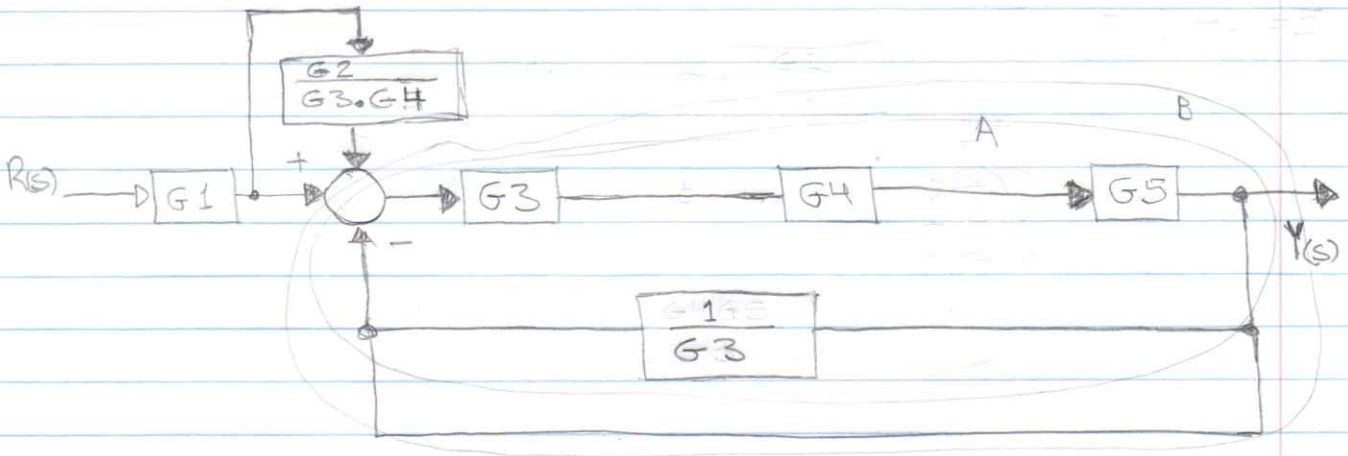
tesis PL Home

12-04-2020
23:00

2. 5)





A: $\dfrac{G3\,G4\,G5}{1+G4\,G5}$

4 closed loop
4 equations.

B: $\dfrac{\dfrac{G3\,G4\,G5}{1+G4\,G5} \times \dfrac{1}{A}}{1+\dfrac{G3\,G4\,G5}{1+G4\,G5} \times \dfrac{1}{A}} = \dfrac{1}{\dfrac{1+G4\,G5}{G3\,G4\,G5}+1}$

C: $G1 \times \left[\dfrac{G2}{G3.G4}+1\right] \times \dfrac{1}{\dfrac{1+G4\,G5}{G3\,G4\,G5}+1}$

$\left[\dfrac{G1.G2}{G3.G4}+G1\right] \times \dfrac{1}{\dfrac{1+G4\,G5}{G3\,G4\,G5}+1}$

c.a) $\dfrac{1}{\dfrac{1+G4\,G5}{G3\,G4\,G5}+\dfrac{G3\,G4\,G5}{G3\,G4\,G5}} = \dfrac{1}{\dfrac{1+G4\,G5+G3\,G4\,G5}{G3\,G4\,G5}}$

$= \dfrac{G3\,G4\,G5}{1+G4\,G5+G3\,G4\,G5}$

c.a) $\dfrac{G1\,G2}{G3\,G4}+\dfrac{G1\,G3\,G4}{G3\,G4}$

$= \dfrac{G1\,G2+G1\,G3\,G4}{G3\,G4}$

C: $\dfrac{(G1\,G2+G1\,G3\,G4)\times G3\,G4\,G5}{G3\,G4\times(1+G4\,G5+G3\,G4\,G5)}$