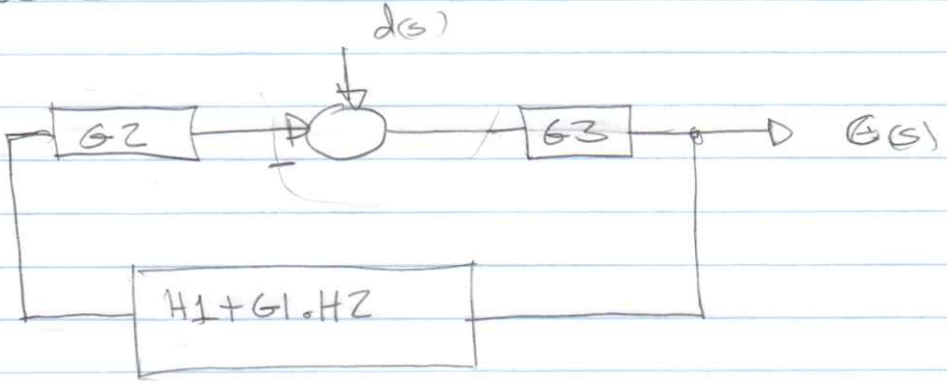
teoria

4/3/2020
23:04

— // —

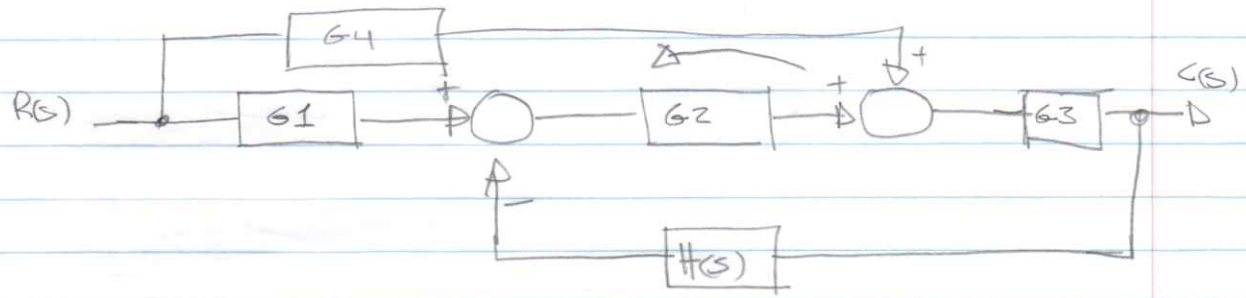
2 t) continuação

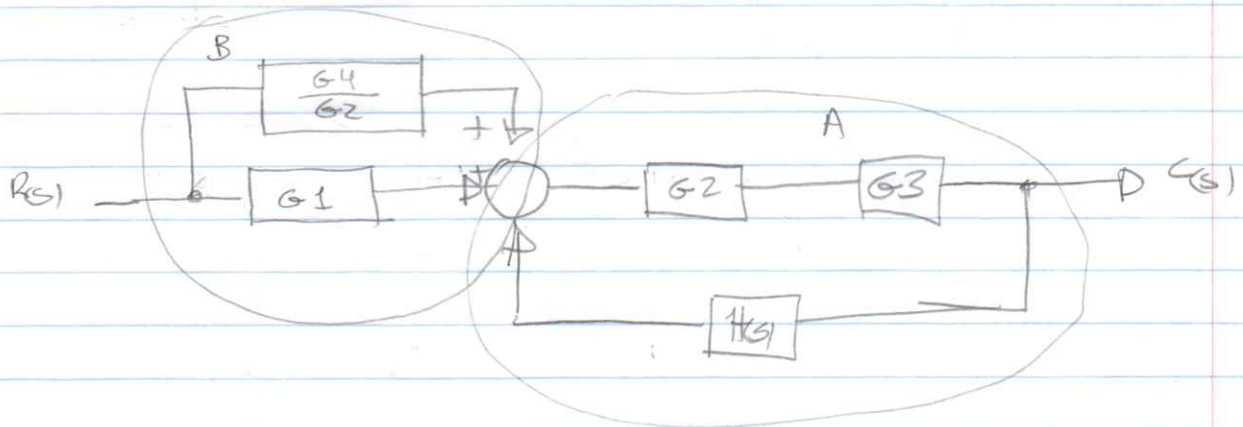


$$\frac{C(S)}{D(S)} = \frac{G3}{1 + G3.G2(H1+G1.H2)} \quad * \quad (A)$$

$$C(S) = (A).\ D(S) + (B).\ R(S)$$

2 µ)





$$A = \frac{G2\,G3}{1 + G2\,G3\,H}$$

$$B = \frac{G4}{G2} + G1$$

$$\frac{C(S)}{R(S)} = A \times B = \frac{G3[G1\,G2 + G4]}{1 + G2\,G3\,H}$$

mesmo denominador, representar sempre resultado como fracção.