

10 a)

Do the exercises from the videos in paper for proficiency.

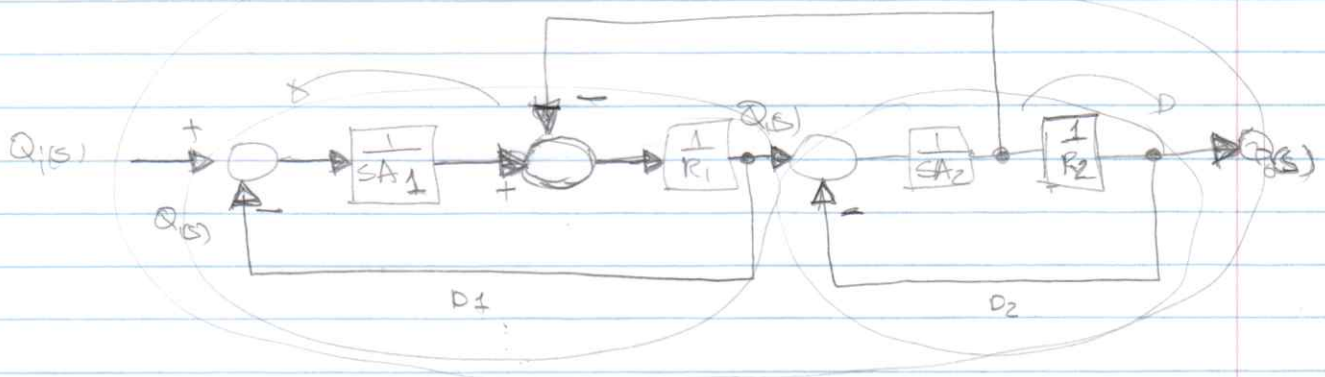
10 b)

$$q_i(t) = q_1(t) + A_1 \frac{dh_1(t)}{dt}$$

$$q_1(t) = \frac{h_1(t) - h_2(t)}{R_1}$$

$$q_1(t) = q_0(t) + A_1 \frac{dh_2(t)}{dt}$$

$$q_0(t) = \frac{h_2(t)}{R_2}$$



$$\frac{Q_o(s)}{Q_i(s)} = \frac{D_1 \cdot D_2}{1 + D_1 \cdot D_2 \cdot sA_1 R_2}$$

Analyse 1d) ; 2. ; 3b) ; 4