Nome: Wérikran Frederika de Oliveira Alver - 96708 Data: 9/3/2021 PI-ELT 330

(1) Considerando o marcimento lervical, temas; (Descarderando Xc)

Sabre a movimenta de 
$$M_C$$
:

$$\begin{cases}
M_C \frac{d \times c}{dt} + K_s \int_0^t x_{c-x_R} dt + B_s(x_{c-x_R}) = F \\
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\end{cases}$$

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Sobre a marimento de Mr.:

$$\begin{cases} M_{n} \frac{dX_{n}}{dt} + B_{s} (X_{n} - X_{c}) + K_{n} \int_{0}^{t} (X_{n} - X_{c}) dt + K_{s} \int_{0}^{t} (X_{n} - X_{c}) dt$$

a) 
$$\Delta_1 = 102000[-11452 - 8090]_{Xe}$$

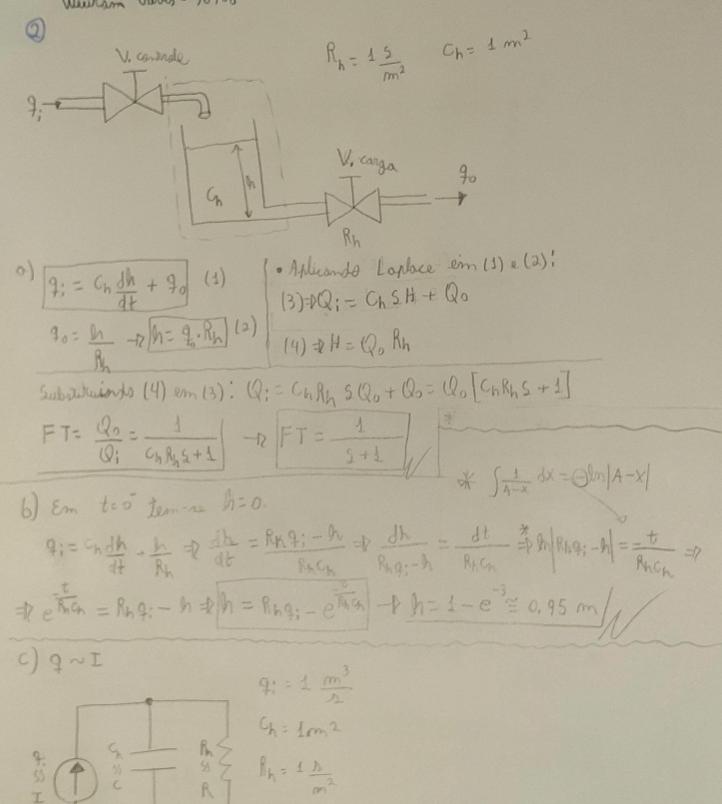
$$\Delta = 102000[-11452 - 8090]_{Xe}$$

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$$b = \frac{\Delta_2}{\Delta} = \frac{102000 \, \text{Xe} \left(2535^2 + 11455 \pm 8090\right)}{\text{det } A} = \frac{17 \, \text{Ft}}{2} = \frac{102000 \left(2535^2 + 11455 \pm 8090\right)}{\text{Xe}}$$

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