

$$EI \frac{d^2\theta}{dx^2} - \frac{q(x)}{EI} = 0 \quad \theta(0) = 0 \quad \theta(L) = 0$$

$$\text{Doble pulmón}$$

$$\theta = 0 \quad \theta'' = 0$$

$$\text{III}$$

$$\theta = 0 \quad \theta'' = 0$$

$$\theta'' = C_1$$

$$\text{I}$$

$$\theta = 0 \quad \theta'' = 0$$

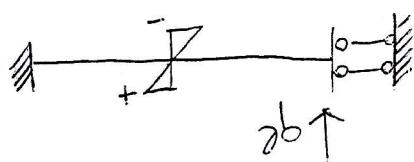
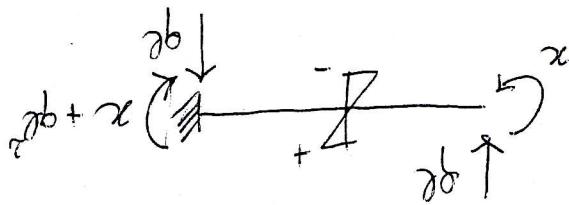
$$\theta(x) = \frac{q(x)}{EI} + \frac{C_1}{2EI} + \frac{C_2}{2\Delta E I^2} \quad \theta'' = C_1 + C_2 =$$

$$\frac{\partial^2 \theta}{\partial x^2} = \frac{q(x)}{EI} + \frac{C_1}{2EI} + \frac{C_2}{2\Delta E I^2} = -\phi(x)$$

$$\frac{\partial^2 \theta}{\partial x^2} = \frac{q(x) + \frac{C_1}{EI}}{2\Delta E I^2} = \frac{\phi(x)}{2\Delta E I^2}$$

$$\chi = \frac{EI}{H(x)} = \frac{\frac{q(x)}{2\Delta E I^2}}{H(x)} = \frac{q(x)}{2\Delta E H(x)}$$

$$\chi = -\frac{u}{2f\Delta t}$$



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