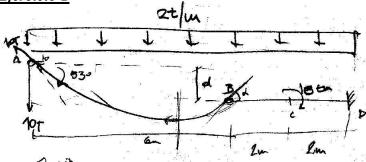


Resistencia de Materiales 1N

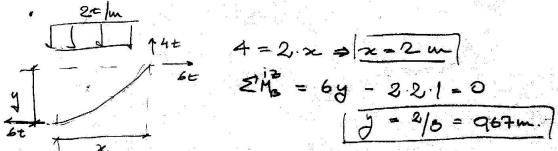
SOLUCIÓN PRIMER PARCIAL 03/10/05

Ejercicio 1



$$EH_{B}^{(1)} = 6.10 \text{ seu} 53 - 10. \text{ d.cos} 53 - 2.6.3 = 0$$

$$d = \frac{48 - 36}{10.06} = 2m \implies |d - 2m|$$



Verificación con la ecuación del coble:

$$\frac{2(2)}{36} = \frac{2}{36} \times 2 + Ax + B = \frac{2}{6} + Ax + B$$
.

$$\frac{2(x-6)}{8} = \frac{36}{8} + A.6 = -2$$

$$6A = -4 \longrightarrow A = -8/6$$

$$\frac{2(x)}{6} = \frac{2(x-8)}{6}$$

$$\frac{2'(x)}{6} = \frac{1}{6}(x-8) + 2 = 22 - 4 = 0$$

$$\frac{2'(x)}{6} = \frac{1}{6}(x-8) + \frac{x}{6} = \frac{2x}{6} - \frac{2}{6} = 0 \Rightarrow |x = 4x| - \frac{1}{6}(x-4) = \frac{4}{6}(4-8) = |-16| = -\frac{2}{3}$$



Resistencia de Materiales 1N

