

regione rettangolare sottile  
 $s \ll h$

$$\tau_m(t) = - \frac{T_y}{I_x} \frac{S_x^*(t)}{s} \quad I_x = \frac{1}{12} s h^3$$

Ricordiamo che (per definizione)

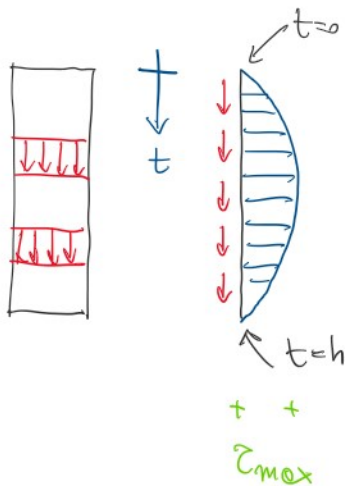
$$y_G^* = \frac{1}{\text{area di } A^*} \int_{A^*} y dA$$

e dunque:

$$S_x^*(t) = \int_{A^*(t)} y dA = (\text{area di } A^*) y_G^*$$

$$\Rightarrow S_x^*(t) = -st \left( \frac{h}{2} - \frac{t}{2} \right)$$

$$\tau_m(t) = \frac{T_y}{I_x} \left( t \left( \frac{h-t}{2} \right) \right)$$



$$\tau_{max} = \tau_m \left( t = \frac{h}{2} \right) = \frac{T_y}{I_x} \frac{h^2}{8}$$

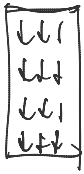
Forbitando si trova:

$$\tau_{max} = \frac{3}{2} \frac{T_y}{A}$$



$T_y$





$$z = \frac{T_y}{A}$$

~~(No)~~



$\epsilon_{max}$

