

RICHIAMI

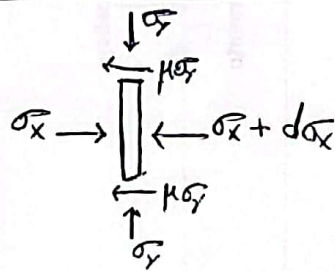
$$\tau = \tau_{\max} \sin\left(\frac{2\pi x}{b}\right) \approx \tau_{\max} \frac{2\pi x}{b}$$

$$\tau_{\max} = G\gamma = G \frac{x}{a}$$

$$\tau = \tau_{\max} \frac{G b}{2\pi a} \Rightarrow \tau_{\max} = \frac{G}{2\pi}$$

SLAB FORGIATURA

$$(\sigma_x + d\sigma_x)h + 2\mu\sigma_y dx - \sigma_x h = 0$$



$$d\sigma_x + \frac{2\mu\sigma_y}{h} dx = 0$$

$$\sigma_y = C e^{-\frac{2\mu x}{h}}$$

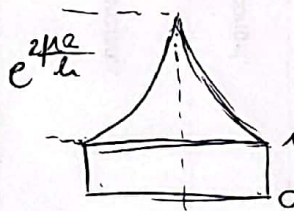
$$x = a \rightarrow \sigma_x = 0$$

$$\sigma_y = p = \gamma' e^{\frac{2\mu(a-x)}{h}}$$

$$\sigma_x = \gamma' \left[e^{\frac{2\mu(a-x)}{h}} - 1 \right]$$

$$V.M. \quad \sigma_y - \sigma_x = \frac{\gamma}{\sqrt{3}} = \gamma'$$

$$d\sigma_x = d\sigma_y$$



$$p_{av} = \gamma \left(1 + \frac{2\mu a}{3h} \right)$$

PRESS. FORG. SEZ. CIL.

$$F = \gamma \pi r^2 \left(1 + \frac{2\mu r}{3h} \right)$$

$$F = \gamma_f \pi r^2 \left(1 + \frac{2\mu r}{3h} \right) \text{ moltiplicando}$$