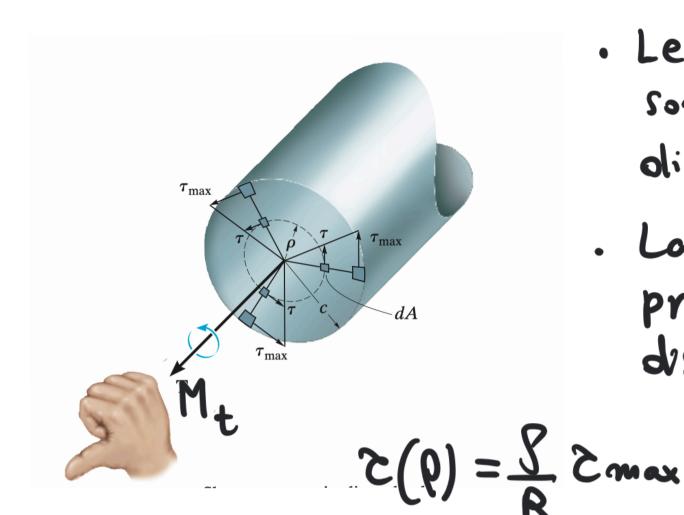
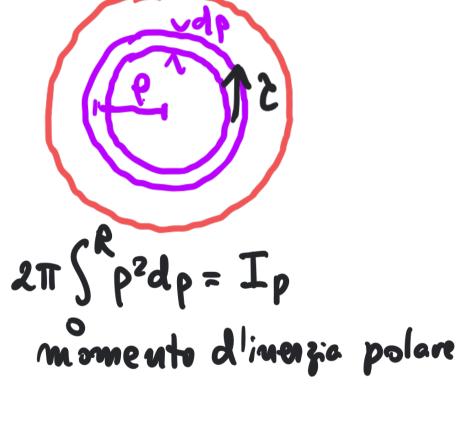
## TORSIONE DI BARRE A SEZIONE CHOOLARE



- · Le tensione tangenziali Somo perpenolicolari alla direzione radide
- . La loro intensita'e proporzionale ella distanza dal centro.

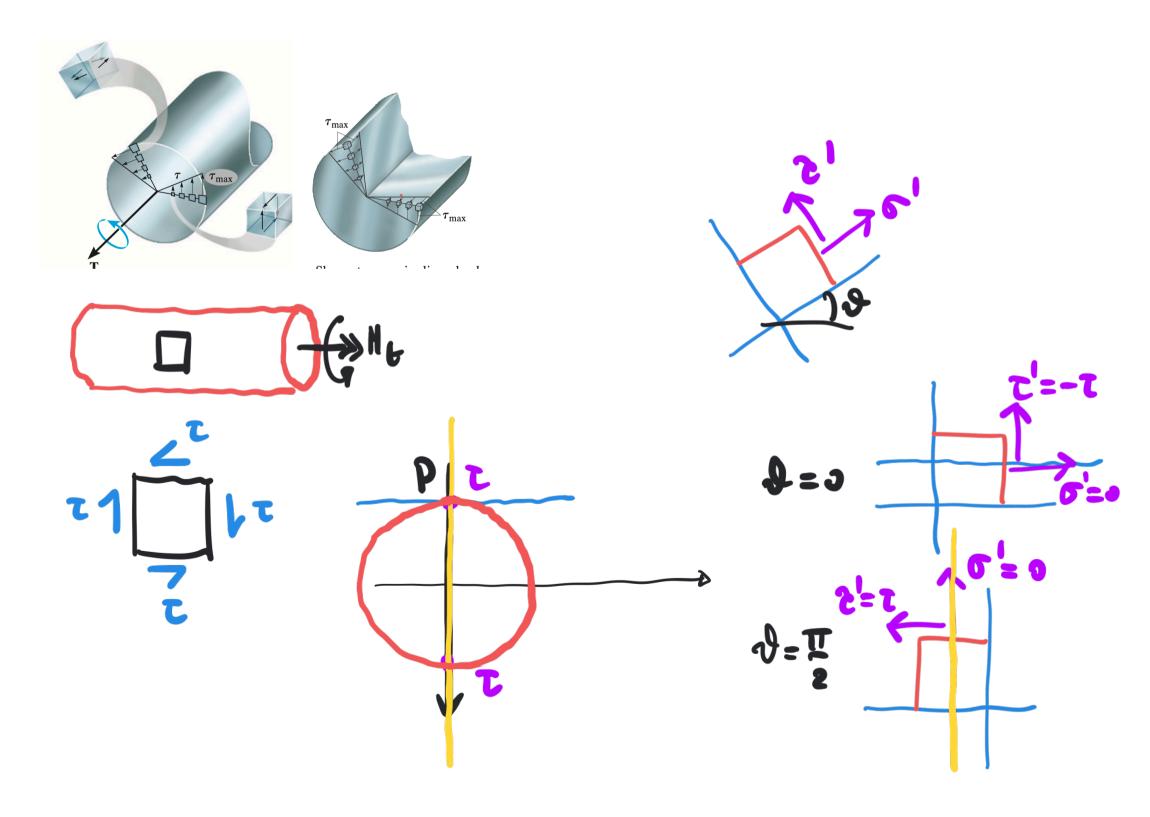
$$dM_{t} = 2 2\pi \rho d\rho = 2 m \omega \frac{2\pi \rho^{2} d\rho}{R}$$

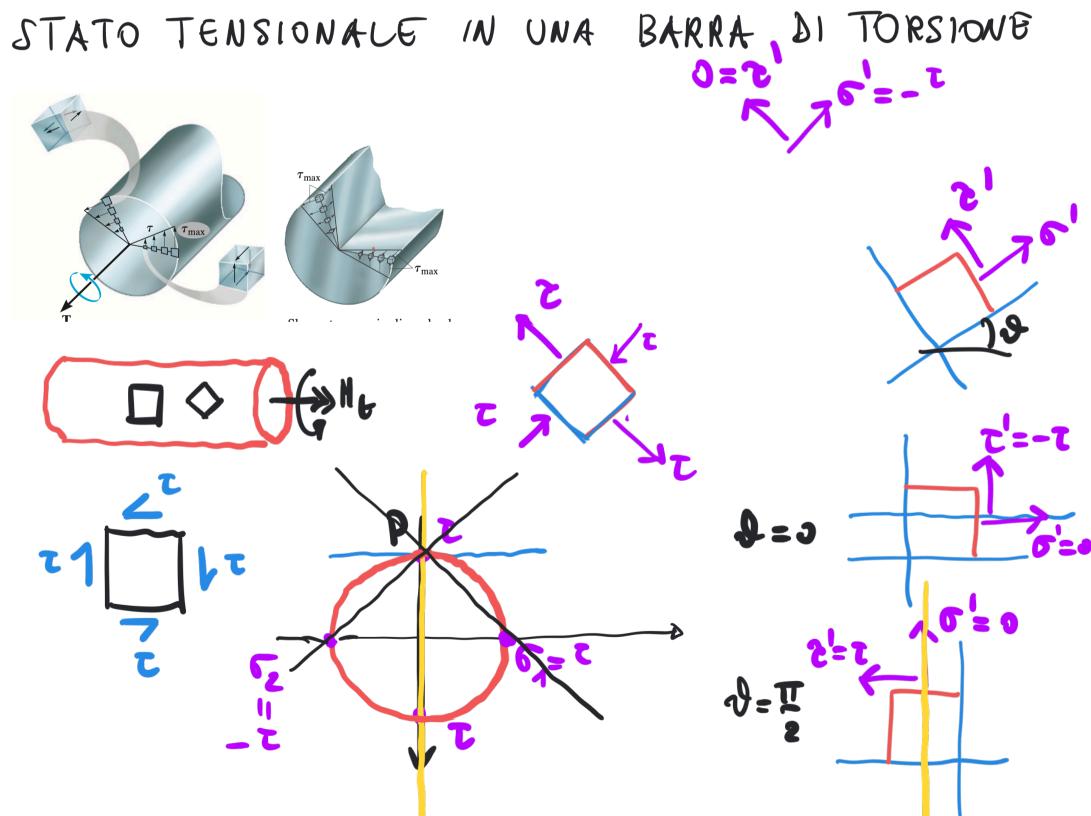
$$H_{t} = \int dH - 2\pi \kappa 2 m \omega \int_{0}^{R} \rho^{2} d\rho = \frac{2 m \omega}{R} T_{p} = T_{p} \frac{2(\rho)}{\rho}$$



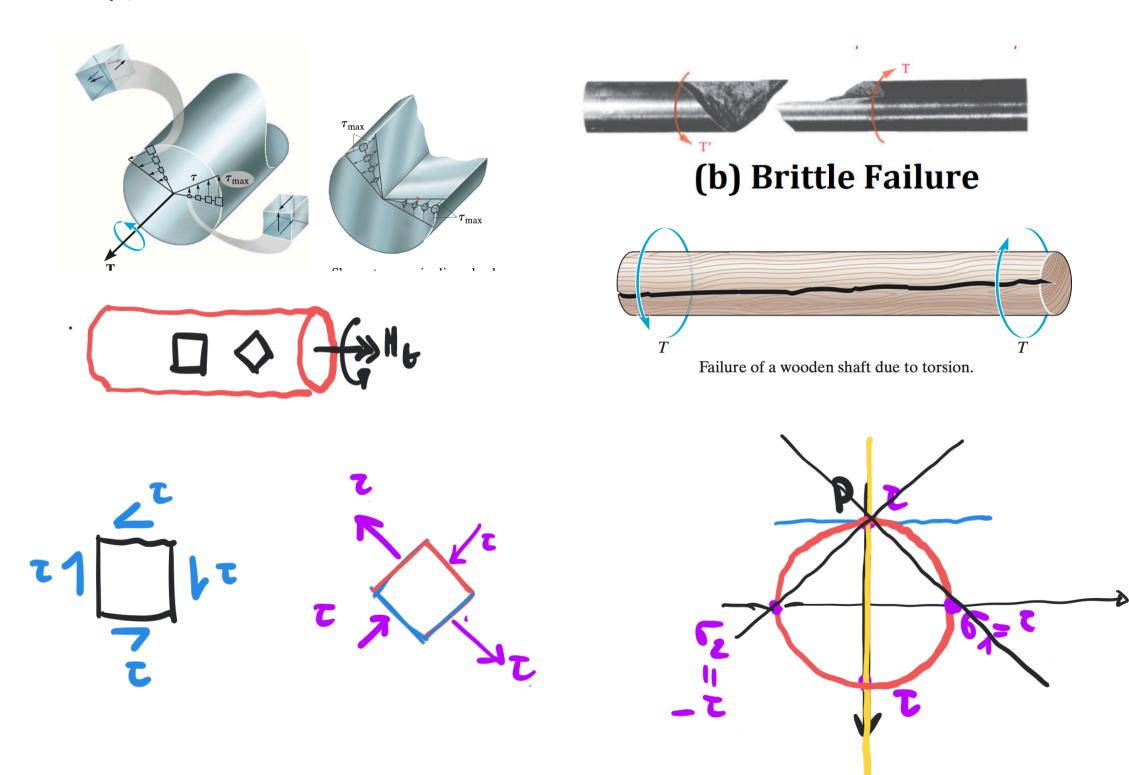
Rif: Casini-Vasta eq. (20.14) Hibbeler eq. (9.6).

## STATO TENSIONALE IN UNA BARRA DI TORSIONE





## STATO TENSIONALE IN UNA BARRA DI TORSIONE



## Sezioni care

$$+R_{2}+$$

$$2 = \frac{l}{R_2} 2 \text{ mex}$$

$$H_{t} = \int_{R_{1}}^{R_{2}} 2\pi\rho \, e\rho \, d\rho = \frac{2\pi\sigma}{R_{2}} \, 2\pi \int_{R_{1}}^{R_{2}}$$