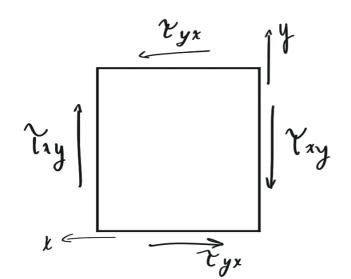
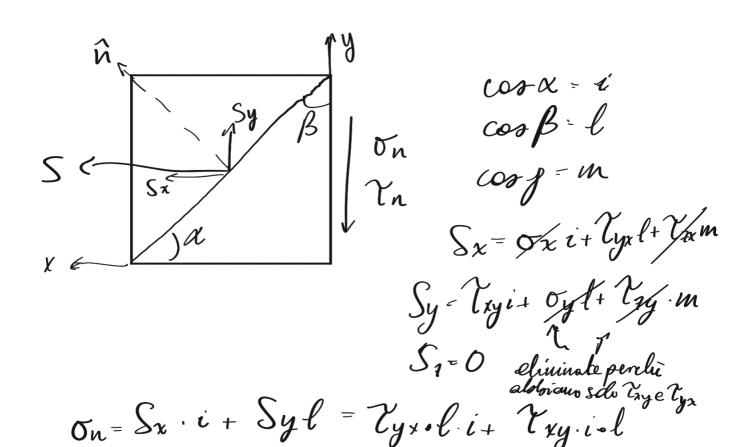
Torzione ginen queste 7, e poi pereguili bris va sulla faccia sopra

Asse 7 = diresione principale



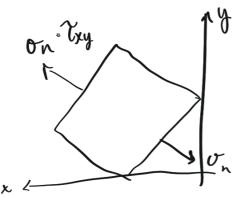
X: 45° angola tra nex B=45° angola tre n-y J=90° angola tra n-3



$$\cos \alpha = \cos \beta = \frac{1}{\sqrt{2}}$$

$$\sigma_{n} = \frac{64}{2} + \frac{64}{2} = 64 M Pa$$

$$\boxed{\sum_{n} \sqrt{S_{n}^{2} - \sigma_{n}^{2}}} = \sqrt{\left(S_{n}^{2} + S_{y}^{2}\right) - \sigma_{n}^{2}} = O$$



$$\sigma_1 = \mathcal{T}_{xy}$$
 $\sigma_2 = 0$ 
 $\sigma_3 = ?$ 

sono millin querto caro

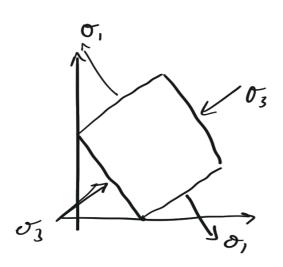
$$\mathcal{O}(x^{2} - \delta \rho) \mathcal{V}_{yx} \mathcal{O} = 0$$

$$\mathcal{O}(x^{2} - \delta \rho) \mathcal{V}_{yx} \mathcal{O} = 0$$

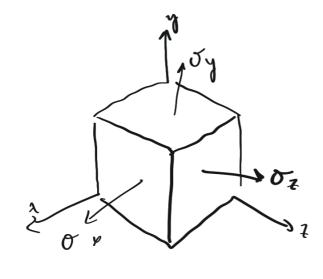
$$\mathcal{O}(x^{2} - \delta \rho) \mathcal{O}(x^{2} - \delta \rho) \mathcal{O}$$

$$O_{\rho}^{2} = T_{py}^{2}$$

$$\int_{0}^{2} \int_{0}^{2} -T_{yx}^{2}$$



## Alko Escupio



$$o_n, T_n$$

Tienspre 
$$0 0 0$$

depli storai  $0 0 0$ 

~ ij=0

$$S_{\chi} - \sigma_{\chi} i = \frac{100 \cdot 3}{V_{z}} = 86,6$$

$$\gamma_n = \sqrt{(S_n^2 + Sy^2) - \sigma_n^2} = 0$$

Tutte le diresioni sono principale

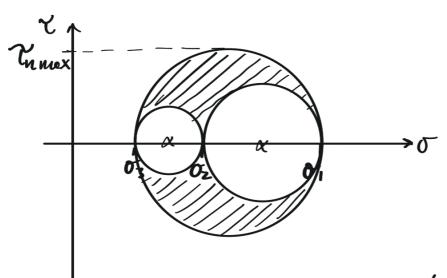
Fino ad ora:

\_Tensore

- Stori Principali

Motorali de Tuessore, per nsolvere turore con stovsi principali

Cerchi di Mohr



Tutti i prusti de on, En sous teetti punti uelle area a tenti, incluse le circonterense

Stovai principoli gia giono sulla asse della x Si trons immediatamente: Ji -> storso principele massino O3 → Min Jn  $T_{\text{n mox}} = \frac{\sigma_1 - \sigma_3}{2} \rightarrow \text{la circonference più grande}$ Esistano l'u pontive e negative Convensione en l'u l'u poritive l'u parti In negativo Significa de Txy = - Tyr che non rispetta l'equilibrés alle volosione, ma dobbodams torlo per la rappresentatione à ventà l'aj= Lyx Jx=100 142 7xy=50MPa

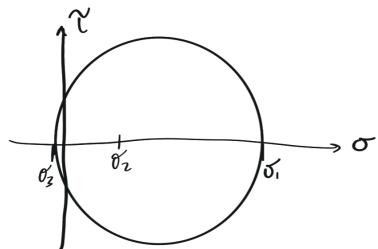
$$Q = \sqrt{\frac{(\delta x - \delta y)^2}{a} + \gamma^2}$$

Due ponti a 90° da l'in l'alter solo 180° sul pians di Mohr

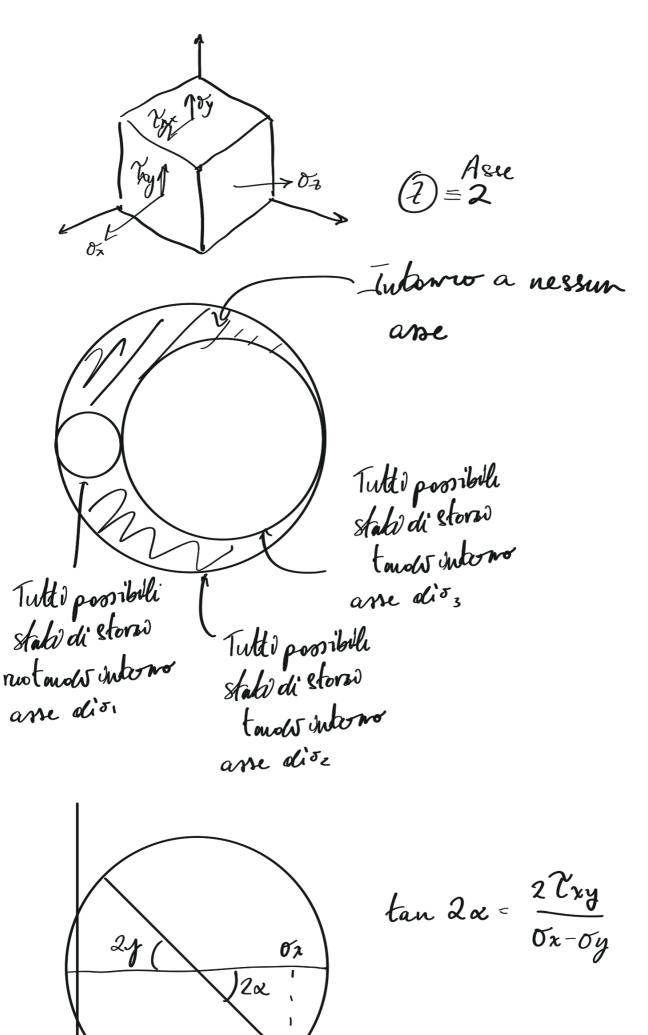
Interseaune di corclio con assex sour 0, e 03

$$\sigma_{1} = C + R = \frac{\sigma_{x} - \sigma_{y}}{2} + \sqrt{\frac{(\sigma_{x} - \sigma_{y})^{2}}{2} + \frac{2}{2y^{2}}}$$

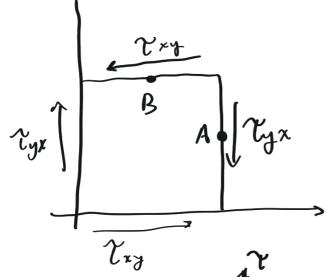
$$\sigma_{3} = C - R = \frac{\sigma_{x} - \sigma_{y}}{2} - \sqrt{\frac{(\sigma_{x} - \sigma_{y})^{2}}{2} + \frac{2}{2y^{2}}}$$



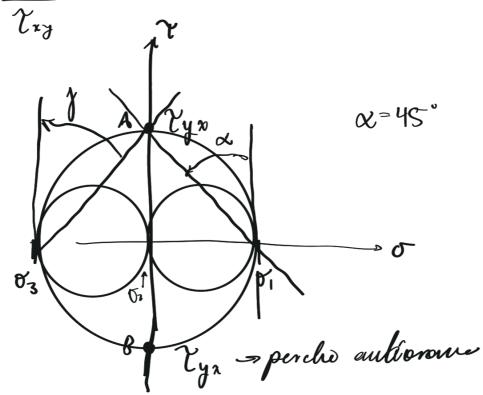
Cerchio tutte gli's faite di storos possibile untando il peas intorno all'asse di or



tempio



Vorsloue pura⇒02=0



ty 2 n = 2. Try

The series on Somo D

