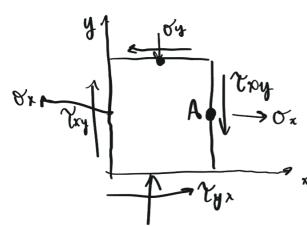
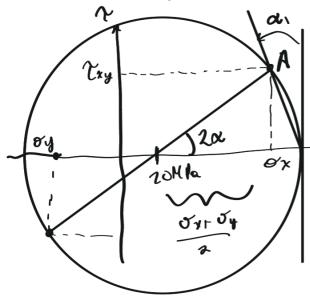
## Cerelii di Holir esempi



## 4 divenoue principale



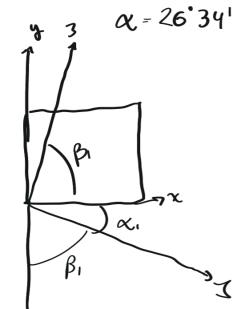
Onanio:

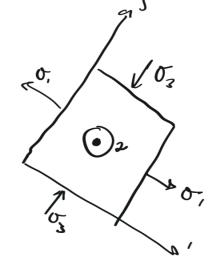
Positiv

Antionn's !

negativos

$$\tan 2x_1 = \frac{xy}{\sigma_{x} - \sigma_{y}} = \frac{2xy}{\sigma_{x} - \sigma_{y}}$$



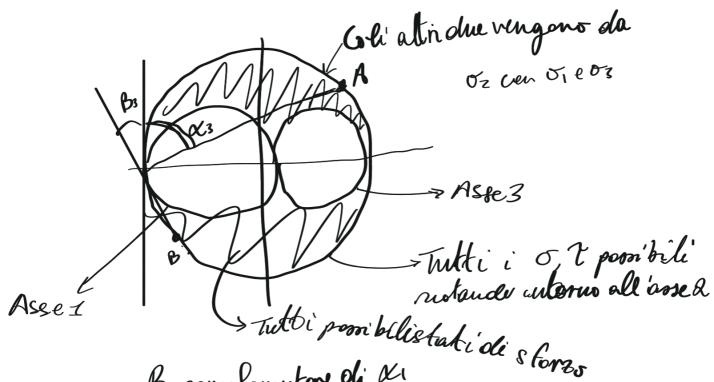


$$\sigma_{\text{max}} = \sigma_1 = |20 \text{M Pa}$$

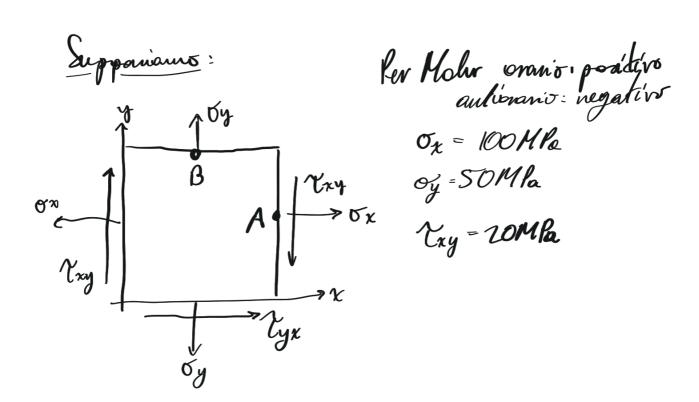
$$\sigma_{\text{MIN}} = \sigma_3 = -80$$

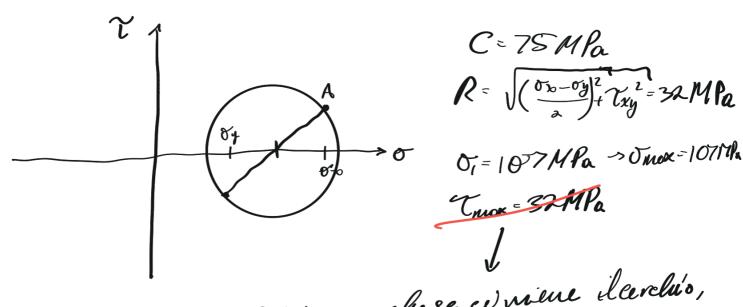
$$\tau_{\text{max}} = R = \frac{\sigma_1 - \sigma_3}{a} = |00 \text{M Pa}|$$

5 soble utorieni principale 3 cerdi eli Mohr



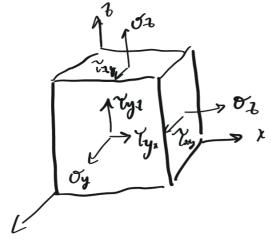
B, complementare di X3





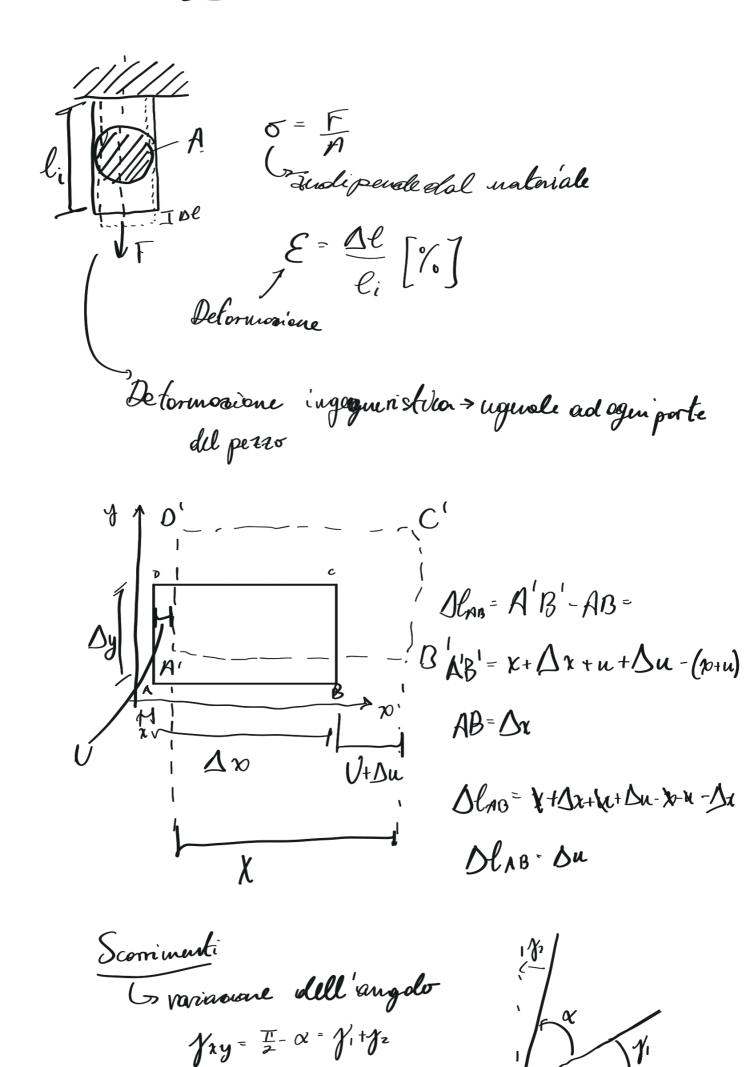
 $\frac{101}{2} = 53,5$ 

Non di menticleianer che unité vz che le melle creande un cercleis più grande



Se non é nota ressuro
diversione principele non
Si pur olí segnome i cerelii
di Mohr, se no preogna
Canollare il oleterninante
delle matrice

## Stato di De termosione



$$y_1 - \frac{\Delta v}{\Delta x} = \frac{\partial v}{\partial x}$$

$$y_2 - \frac{\partial u}{\partial y}$$

$$f_{xy} = \frac{\partial v}{\partial x} + \frac{\partial u}{\partial y}$$

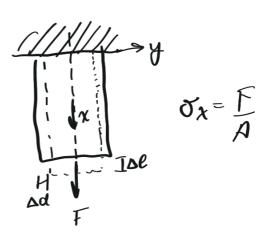
Uguele per egui piano

## Alobiano Definito

Legame Storsi - Detormosioni

Acciai = 200000 MR E [MPa]

Colubb clossicité longitudinale Modullo Yang



$$\mathcal{E}_{xy} = \frac{\varphi_x}{\mathcal{E}}$$

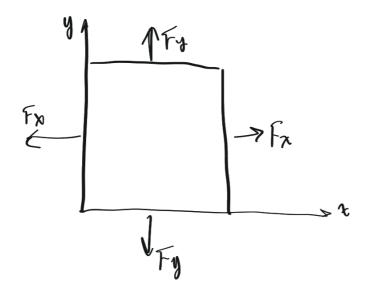
oy=0=81 ma 
$$E_y=- \mu E_x$$
 $\mu (?)$ 
 $E_z=- \mu E_x$ 

P ← co e bbiciente di controsione

tros versale

Acciai 0,3

Ec v sous tronale sperimentalmente c sous intrinseci al materiale.



$$\mathcal{E}_{y} = -V \frac{\sigma_{x}}{E} + \frac{\sigma_{y}}{E}$$

$$E_{x} = \frac{1}{t} \left[ \sigma_{x} - v(\sigma_{y} + \sigma_{b}) \right]$$

$$E_{y} = \frac{1}{t} \left[ \sigma_{y} - v(\sigma_{x} + \sigma_{z}) \right] \qquad E_{y} = \frac{1}{t} \left[ \sigma_{x} - v(\sigma_{x} + \sigma_{y}) \right] \qquad di \text{ Hooke}$$

$$Coefficiente \qquad \text{ (oefficiente di continuous di Poisson / toe biciente di continuous bus vivoale}$$

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