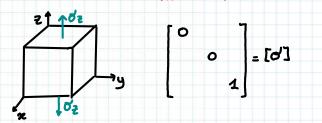
ESEMPI

. Stato di teusione HONOASSIALE



Det. la stato deformativa

$$E_{\chi} = E_{y} = -\frac{v}{E} \sigma_{z} = \frac{0.3}{20^{4}} \cdot 1 = -0.3 \cdot 10^{-4}$$

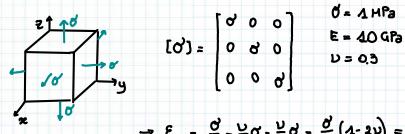
$$E_{z} = \frac{\sigma_{z}}{E} = \frac{\Lambda}{40^{4}} = 4 \cdot 10^{-4}$$

$$[E] = 40^{-4} = 0.3 \cdot 0 \cdot 0$$

$$0 \cdot 0 \cdot 1$$

mat. el. lin. iso. omog.

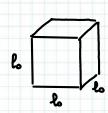
Stato di teusiou triassiale

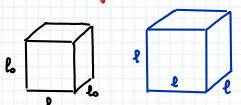


$$\rightarrow \mathcal{E}_{\alpha} = \frac{\mathcal{C}}{\mathcal{E}} - \frac{\mathcal{C}}{\mathcal{E}} \mathcal{C} - \frac{\mathcal{C}}{\mathcal{E}} \mathcal{C} = \frac{\mathcal{C}}{\mathcal{E}} (4-2\nu) = \frac{4}{4\nu^4} (04) = 0.4 \cdot 10^{-4} = \mathcal{E}_y = \mathcal{E}_z$$

-> expansione di volume a def costant in x,y, z. $E_v = I_A = E_x + E_y + E_z = 4.2 \cdot 10^{-4}$

· stato di objeturazione triassiale





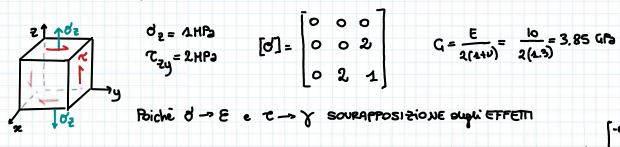
Try = Tre=Tye=0
[E] = [1 0 0]
[O 1 0]
[O 0 1]

Determinare le state di tensione:

$$d_{x} = d_{y} = d_{z} = d = \frac{E}{4 + U} E + \frac{UE}{(4 + U)(4 - 2V)} (3E) = 2.5 \text{ H/B}$$

$$[\sigma] = \begin{bmatrix} 2.5 & 0 & 0 \\ 0 & 2.5 & 0 \\ 0 & 0 & 2.5 \end{bmatrix}$$

e Stato di teusione generico



$$G = \frac{E}{2(440)} = \frac{10}{2(4.3)} = 3.85 \text{ G/s}$$

$$\mathcal{E}_{\chi} = -\frac{U}{E} \mathcal{O}_{\xi} = -\frac{0.3}{10^4} \cdot \Lambda \text{ HB} = -0.3 \cdot 10^4 \text{ MPa} = \mathcal{E}_{y}$$

$$\mathcal{E}_{\chi} = \frac{\mathcal{O}_{\xi}}{E} = 40^{-4} \text{ HPa}$$

$$\mathcal{E}_{2} = -\frac{1}{E}\mathcal{E}_{2} = -\frac{0.3}{104} \cdot 1 \text{ HB} = -0.3 \cdot 10^{4} \text{ MPa} = \mathcal{E}_{y}$$

$$\mathcal{E}_{2} = \frac{1}{4} = 40^{-4} \text{ HPa}$$

$$\mathcal{E}_{3} = \frac{1}{4} = 40^{-4} \text{ HPa}$$

$$\mathcal{E}_{3} = \frac{1}{4} = 40^{-4} \text{ HPa}$$