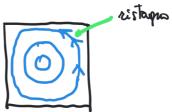
ANALOGIA IDRODINANICA

$$\underline{T} = \begin{bmatrix} 0 & 0 & \mathcal{C}_{4x} \\ 0 & 0 & \mathcal{C}_{4y} \\ \mathcal{E}_{xb} \mathcal{E}_{yb} & 0 \end{bmatrix} \qquad \underline{\mathcal{C}} = \mathcal{C}_{4x} \underline{i} + \mathcal{C}_{2y} \underline{j}$$

$$\frac{\partial x}{\partial c_{xx}} + \frac{\partial y}{\partial c_{yx}} = 0 \qquad \text{div } \underline{c} = 0$$



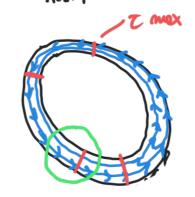




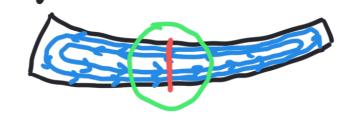


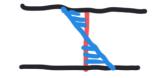


rez. parti saltile

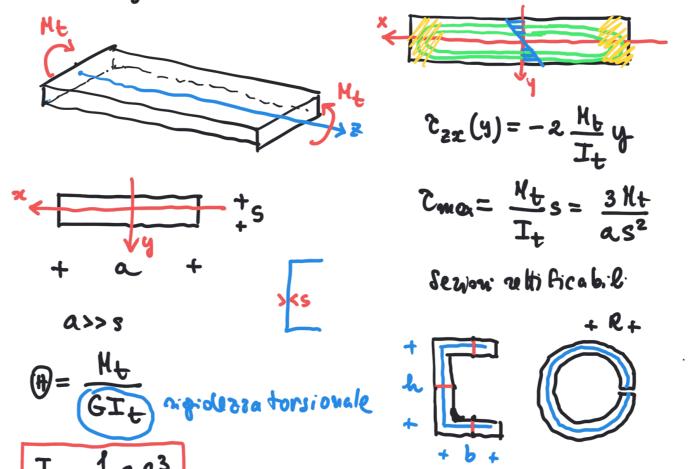


resone in parte while aperta



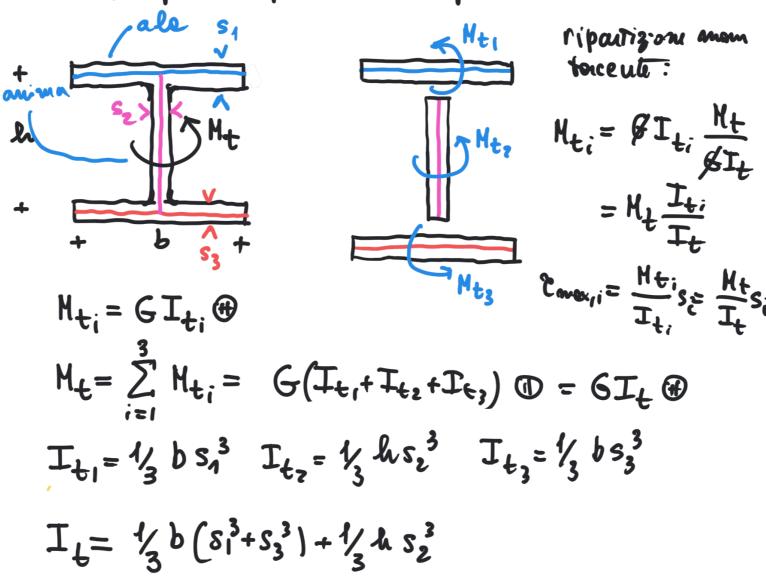


Sez. rettangeler 10Hil

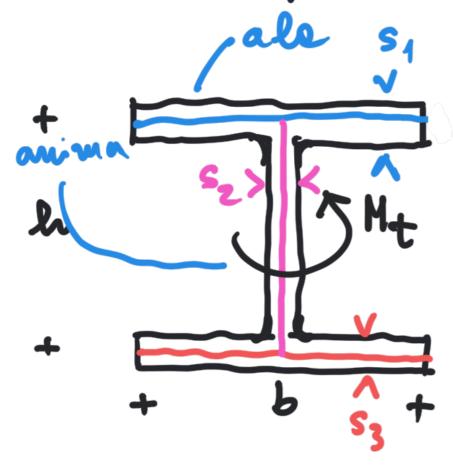


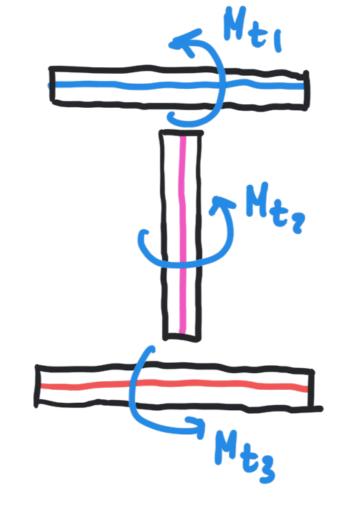
211R

Perioni aperte compost de rettangol rottil.



Perioni aperte compost da rettangel sottil.





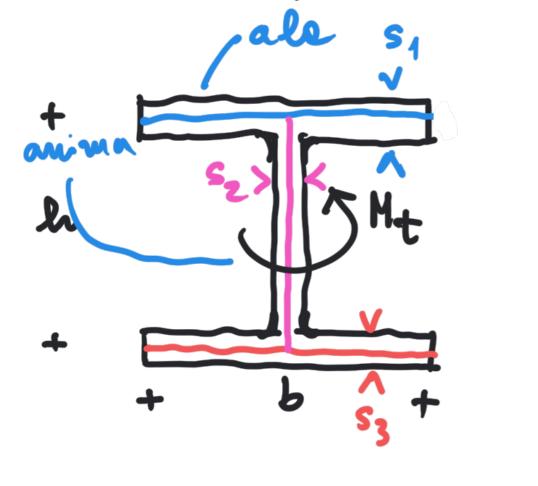
ripartizon mom

$$M_{t} = \sum_{i=1}^{r} M_{t_i} = G(I_{t_i} + I_{t_2} + I_{t_3}) \oplus = GI_{t_i} \oplus$$

Oss: Ogni rettangolo è sottoposto a una frezone d' Nt proporzonale alle proprie inerzie torrionale

051: Il rettangolo pin's vollectato e' quelle avente suerone monomo.

aperte compost da rettangel rottel.



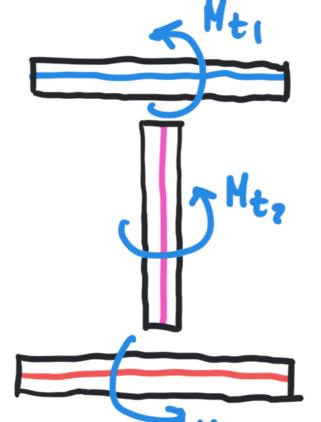
$$M_{t_i} = G I_{t_i} \oplus$$

$$M_{t$$

$$T_{t_1} = \frac{1}{3}bs_1^3$$
 $T_{t_2} = \frac{1}{3}hs_2^3$ $T_{t_3} = \frac{1}{3}bs_3^3$

que sta farmule vale robo ne le rejon 1'aprilé





libanizon tonceule:

Osservazion: (facolitative)

La Pornule como: = Ht s per le rezione

Tettangolore soltile si obtiene obelle relezione

rot 2= 26 @ (Eq. 20.53)

A substituting $\frac{\partial A}{\partial A} = \frac{\partial A}{\partial A} =$

quinst esseuls ezz=0 sulla lina media,

25x (A) = - 50 @ A

The massimo delle tention tangential si he
per y=-\% => \text{Cmex} = GOS = \frac{H_F}{I_F} s

$$u = \frac{600c}{14}c = \frac{11}{14}c$$

$$= \frac{14}{14}c^{3} = \frac{314}{14}c^{3}$$

moissus 10

Dalle formule (20.55) Emex = 3 Mt riselta che le Emox e', a panitoi olel resto, tanto più piccole quanto mappore l' disone lo messone. con il fatto che, in ma sezone composta contitute de rettangol sottie, le comer si ribri nel rettampoli con the store meggion. f. vord peut che le frezon d'monnent tencente assorbita del rettample l'properzionel alle ma inergia torsionale, che l'propoezio nale al cubs d's! Buind, l'i-earns reHangolo lu una Emer

e Mti = 3 Nti e Mti = 1/3 aisi3 Ht quivali Emai: = 5i Mt It