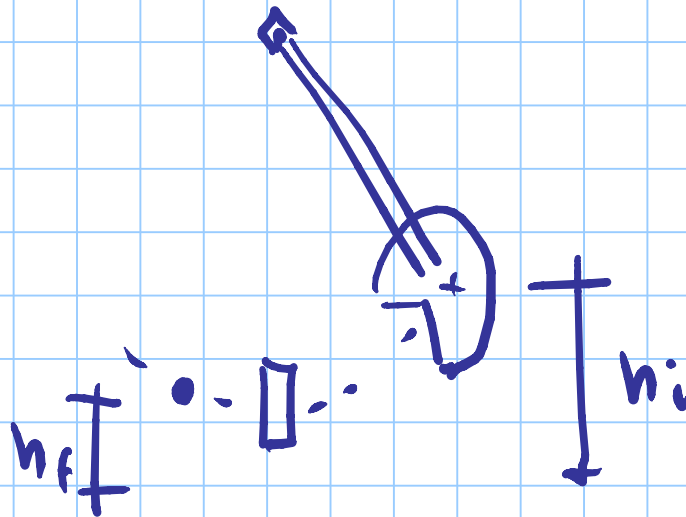
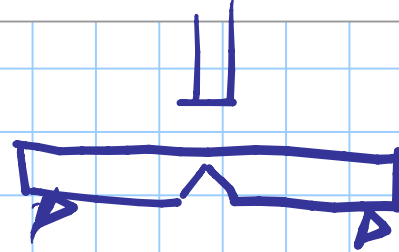


# ACCIAIO per carpenteria metallica

Titolo nota

24/10/2012

pendolo di Charpy



RESILIENZA

Corrosione

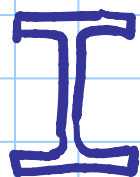
Zincatura

prove di piegatura

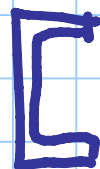
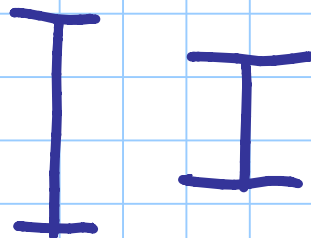
elementi in acciaio - laminazione a caldo

piatti lamiera

profilati



doppio  
T



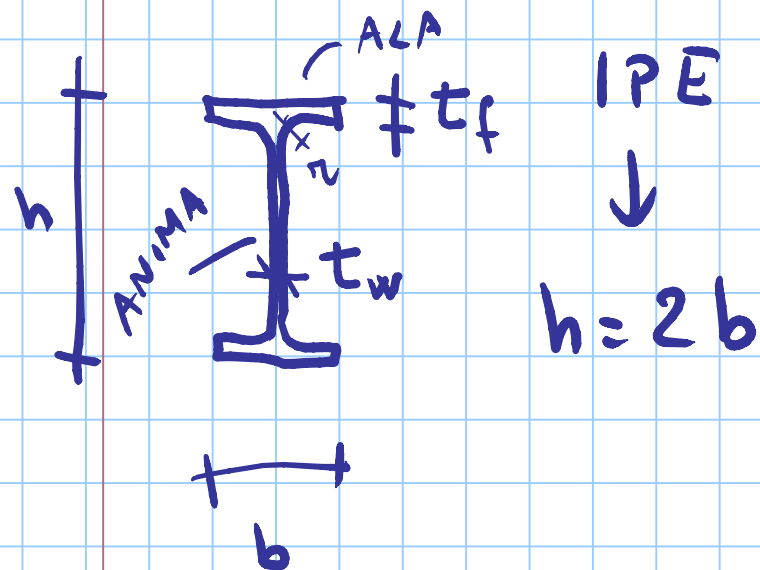
C in U



L.  
angolo



profilo  
chiuso



IPE



$$h = 2b$$

ALA → FLANGE

ANIMA → WEB

IPE 200



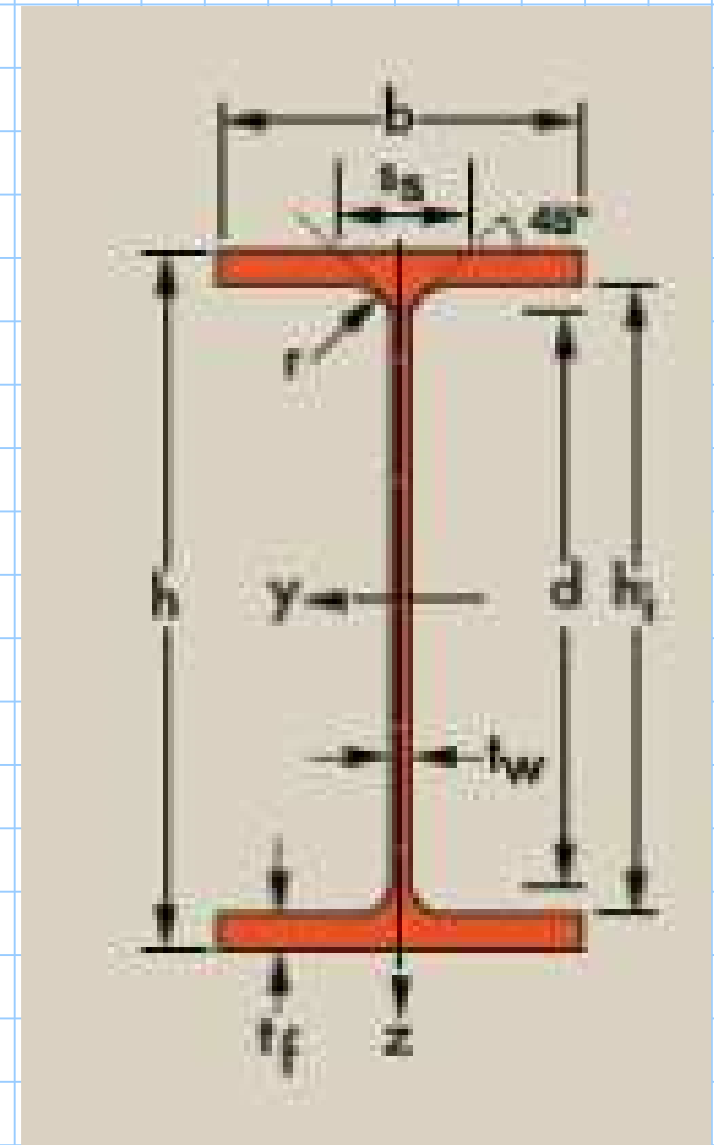
$$h = 200 \text{ mm}$$

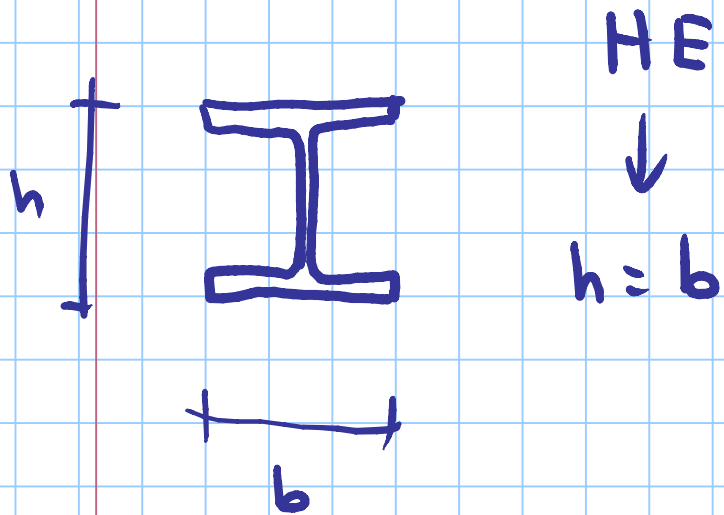
$$t_f = 8.5 \text{ mm}$$

$$t_w = 5.6 \text{ mm}$$

$$b = \frac{200}{2} = 100 \text{ mm} \quad z = 12 \text{ mm}$$

$$A = 2850 \text{ mm}^2$$





HE 200 B

$$h = 200 \text{ mm}$$

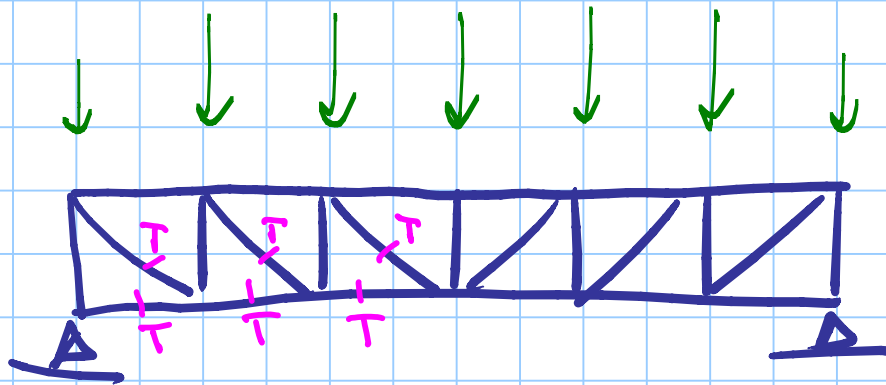
$$t_w = 9 \text{ mm}$$

$$b = 200 \text{ mm}$$

$$t_f = 15 \text{ mm}$$

$$A = 7810 \text{ mm}^2$$

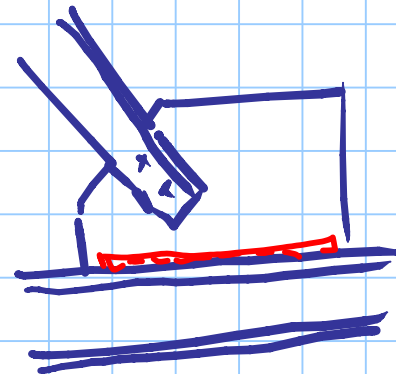
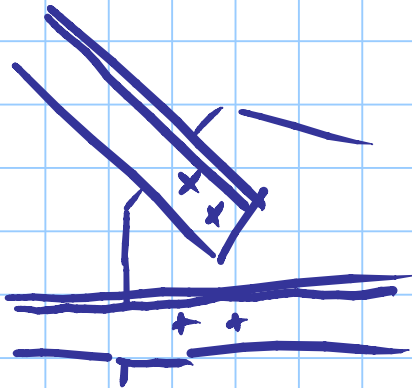
$$z = 18 \text{ mm}$$



TRAZIONE

[ L

I più



COMPRESSIONE

$$N_{cr} = \frac{\pi^2 EI}{l_0^2}$$

$$\frac{I}{A} = r^2$$

$$\sigma_{cr} = \frac{\pi^2 E}{(l_0/r)^2}$$

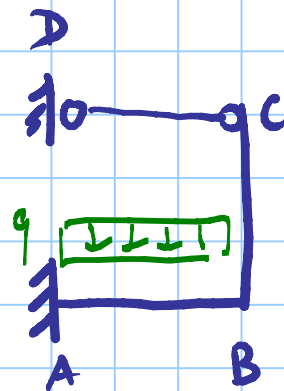
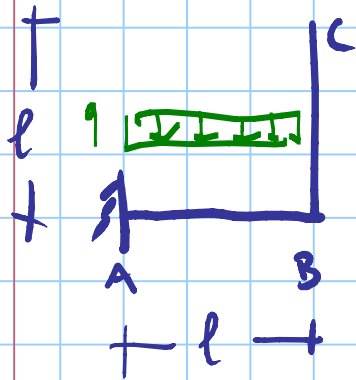
FLESSIONE SEMPLICE

$$I \quad I_{min}$$

FLESS. COMPOSTA  $I \quad I_{min}$

TORSIONE  $I \quad I_0$

# ANALISI STRUTTURALE

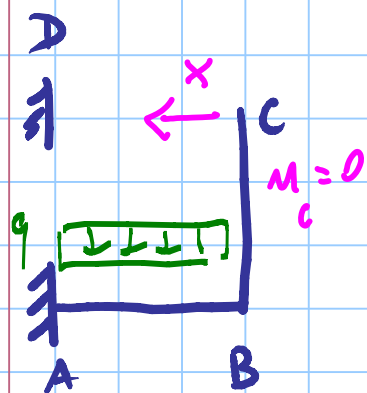


## METODO DELLE FORZE

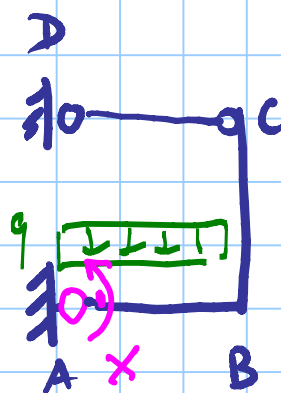
- 1) reazioni  
↳ ipostatico
- 2) azioni in conj. delle reazioni } incognite
- 3) condiz. di compattezza



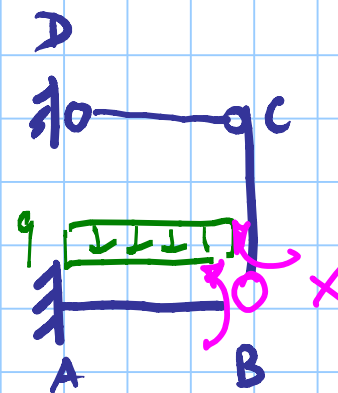
LITRICO



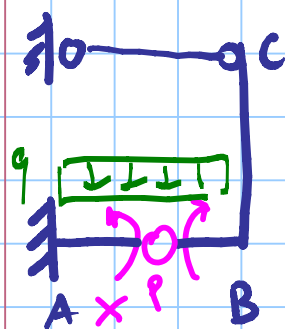
Lo PRESTI



TO MAS)

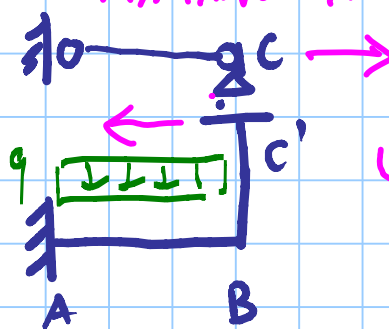


MONTELEONE



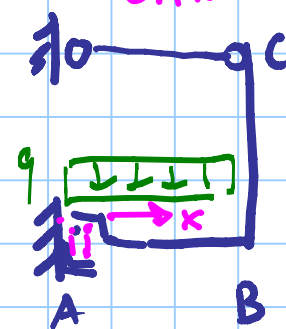
$$\varphi_A = \varphi_B$$

FIAMINGO

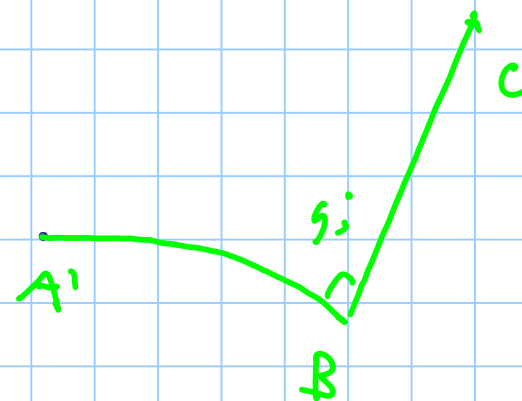
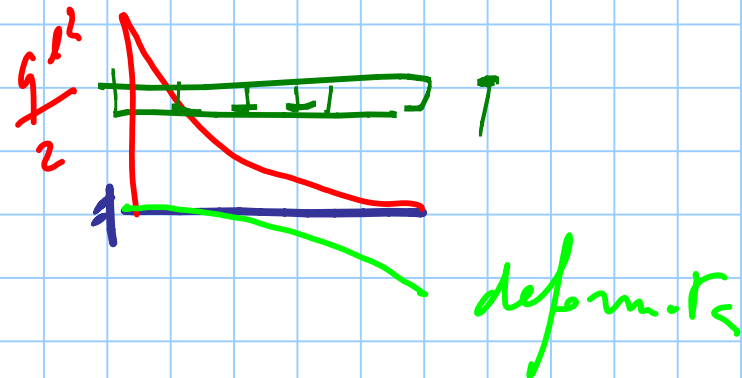
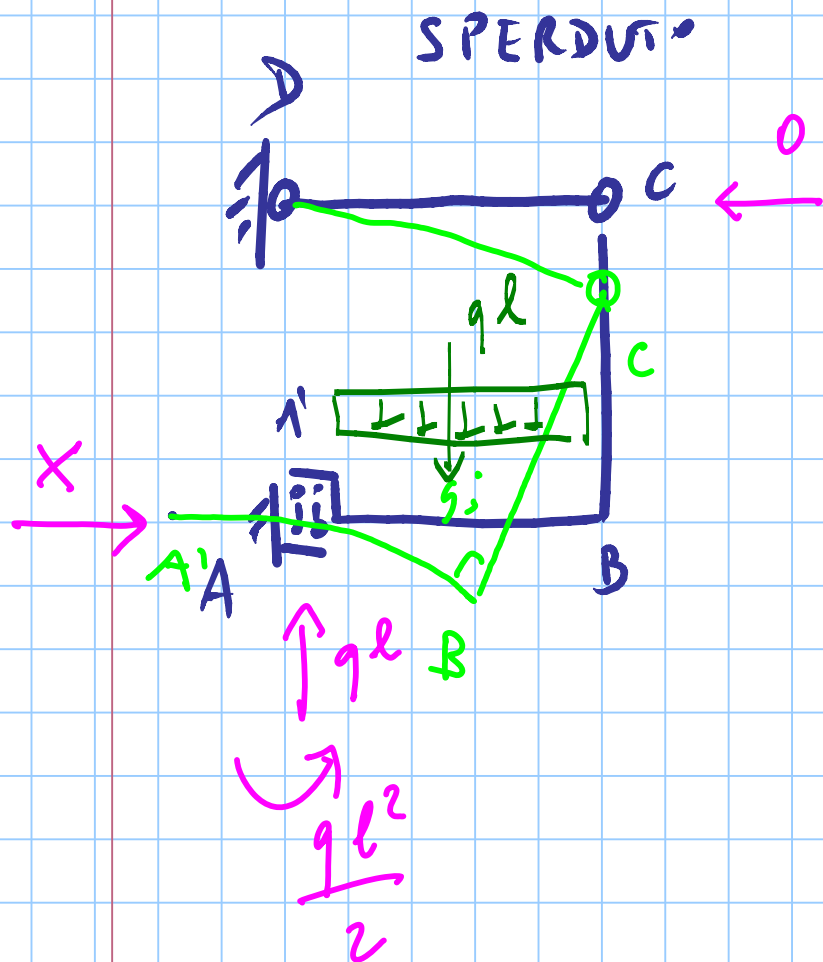


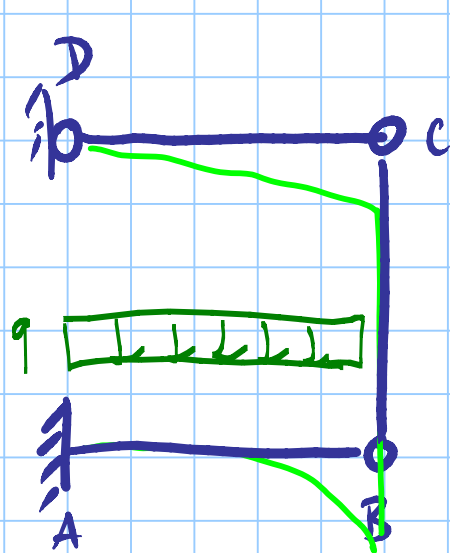
$$u_{C'} = 0$$

CARUSO



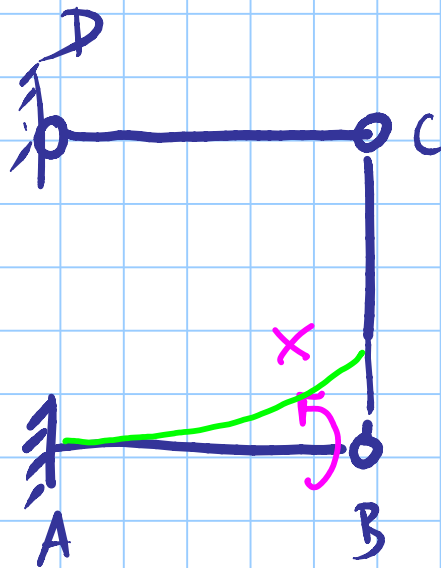
$$u_{A'} = 0$$





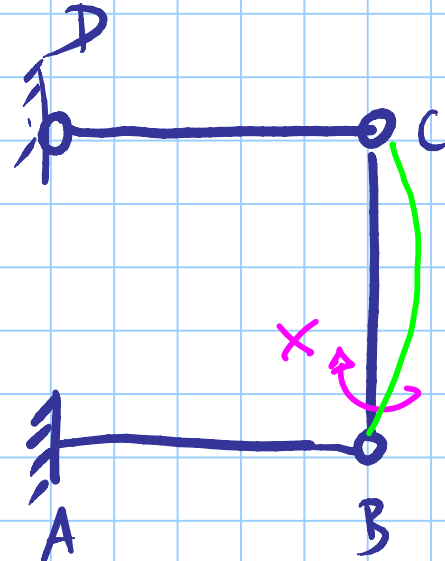
$$\varphi_{BA} = -\frac{ql^3}{6EI}$$

$$\varphi_{BC} = 0$$



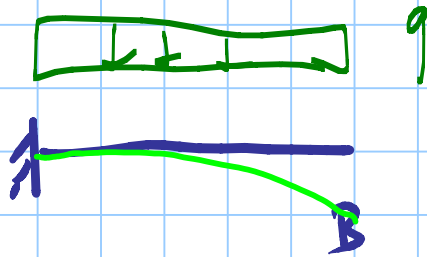
$$+\frac{Xl}{EI}$$

$$0$$



$$0$$

$$-\frac{Xl}{3EI}$$



$$\varphi_{B_A} = \frac{q l^3}{6 E I}$$

