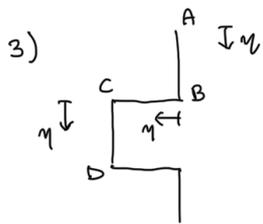


(Docenti: Prof. Ing. Riccardo Barsotti; Prof. Ing. Stefano Bennati)

PROVA SCRITTA TELEMATICA DEL 15 GIUGNO 2021
Sintesi della soluzione

Problema 1

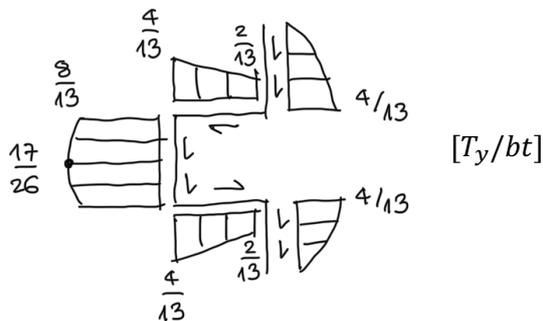
1) $OH = \frac{4}{7} b$; 2) $J_x = \frac{13}{4} t b^3$



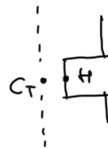
AB) $\sigma_{zy} = \frac{2T_y}{13tb^3} (3by - y^2)$

BC) $\sigma_{zy} = \frac{2T_y}{13tb^3} (b^2 + by)$

CD) $\sigma_{zy} = \frac{2T_y}{13tb^3} (4b^2 + by - y^2)$



4) $C_{TH} = \frac{4}{39} b$



5) $\sigma_{zy} = -\frac{8}{247} \frac{T_y}{t^3} \xi$

(ξ = ascissa nello spessore del profilo)