

$$\max M_{cu} = p \cdot F^+ = 1885,134 \text{ kNm}$$

$$\min M_{cu} = p \cdot F^- = 983,694 \text{ kNm}$$

НАПОН ОД СТАЛНОГ ОПТЕРЕЋЕЊА

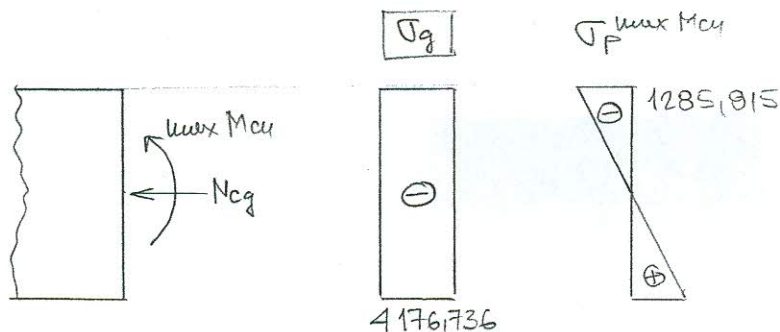
$$N_{cg} = - \frac{H_g}{\cos \alpha_c} = -7434,5909 \text{ kN}$$

$$\sigma_g = \frac{N_{cg}}{F} = -4176,736 \frac{\text{kN}}{\text{m}^2}$$

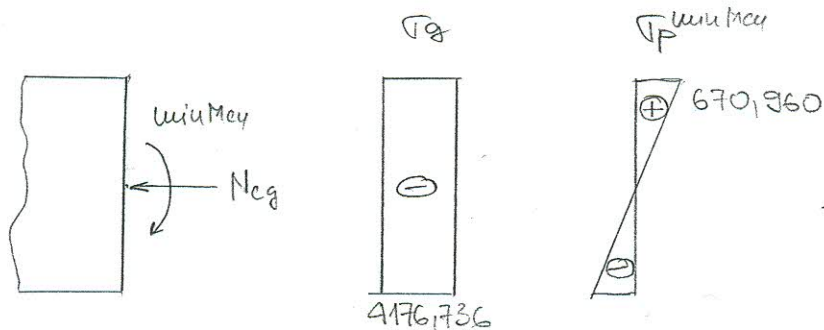
НАПОН У ГОРЊЕМ ВЛАКНУ ОД ПОВРЕМЕНОГ ОПТЕРЕЋЕЊА

$$\sigma_p^{\max M_{cu}} = \frac{\max M_{cu}}{W_o} = 1285,815 \frac{\text{kN}}{\text{m}^2}$$

$$\sigma_p^{\min M_{cu}} = \frac{\min M_{cu}}{W_o} = 670,960 \frac{\text{kN}}{\text{m}^2}$$



$$\Rightarrow \min \sigma_{co} = -4176,736 - 1285,815 = -5462,551 \frac{\text{kN}}{\text{m}^2}$$



$$\Rightarrow \max \sigma_{co} = -4176,736 + 670,960 = -3505,776 \frac{\text{kN}}{\text{m}^2}$$

