

Samo na gredi



$$M_{w,0} = A_0 \cdot x_m + M(p)$$

spojajice opterečene

koje se zadržavaju zadatkom

Reakcija oslonca

stavno

$$M_w = A_0 x_m + M(p) - H'(y_m + d) \cos \alpha_0 + S_2 \cdot d \cos \alpha_2$$

$$= M_{w,0} - H(y_m + d) + H \cdot d$$

$$= M_{w,0} - H y_m - H d + H d$$

$$M_w = M_{w,0} - H y_m$$



$$S_2 \cos \alpha_2 = H$$

$$H' \cos \alpha_0 = H$$

$$M_g = M_{g,0} - H \cdot f = 0 \Rightarrow$$

$$H = \frac{M_{g,0}}{f}$$

izvodim

$$T_{w,0} = A_0 + T(p)$$

Rezultanta reakcije $V_A' (= A_0)$ i opterećenja levo od reznog preseka = T_{A0}

$$T_w = A_0 + T(p) + H' \sin \alpha_0 - S_2 \sin \alpha_2$$

↑ ⊕ ↓ ⊖

$$= T_{w,0} + \frac{H}{\cos \alpha_0} \sin \alpha_0 - \frac{H}{\cos \alpha_2} \sin \alpha_2$$

$$= T_{w,0} + H \tan \alpha_0 - H \tan \alpha_2$$

$$T_w = T_{w,0} - H(\tan \alpha_2 - \tan \alpha_0)$$

