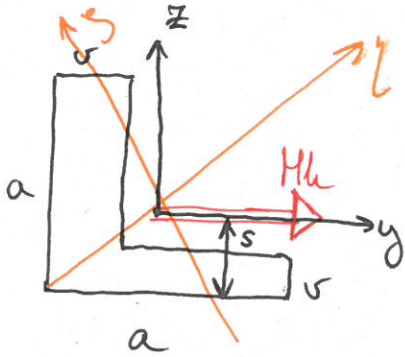


Adaptation:



$v = 6 \text{ mm}$

$$S = 14,7 \text{ mm}$$

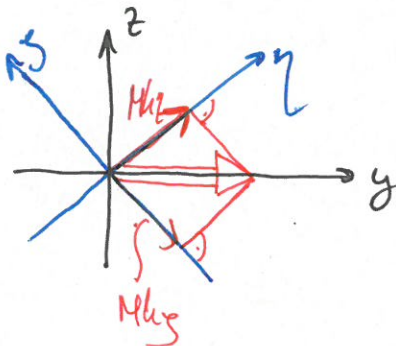
$$I_y = 20,85 \text{ cm}^4$$

$$I_g = 5,41 \text{ cm}^4$$

$$M_u = 500 \text{ Nm}$$

} laud
elo⁹zo⁹ ora

Et un. ferde heylita's \Rightarrow bairer fol y es 5 chalyi
kaypouenschre!

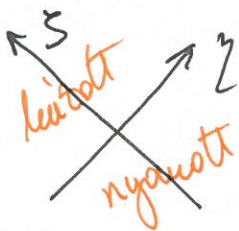


$$M_{hy} = M_h \cdot \cos \alpha = M_h \cos 45^\circ = 353,55 \text{ Nm}$$

$$M_{Ay} = -M_h \sin \alpha = -M_h \sin 45^\circ = -353,55 \text{ Nm}$$

ment -3 traýba unut!

\Downarrow a fcs2. class's



$$\sigma_x(z) = \frac{M_{bz}}{I_z} \cdot z = 1,69 \text{ g [MPa]}$$



$$\bullet \quad \sigma_x(\eta) = \frac{-M_{k5}}{I_3} \cdot \eta = 6,53 \eta \text{ [MPa]}$$

$$\sigma_x(\eta, \zeta) = \frac{M_{\eta\eta}}{I_\eta} \cdot \zeta - \frac{M_{\zeta\zeta}}{I_\zeta} \cdot \eta = \underline{\underline{1,69\zeta + 6,53\eta \text{ (MPa)}}}$$

Zerustungsgesetz:

$$\sigma_x(s, \eta) = 0$$

$$\frac{M \eta y}{I_y} \cdot s - \frac{M \eta y}{I_y} \cdot \eta = 0$$

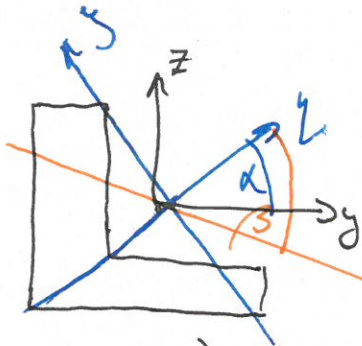
$$s = \frac{M \eta y}{M \eta y} \cdot \frac{I_y}{I_y} \cdot \eta = \frac{-M \eta \sin \alpha}{M \eta \cos \alpha} \cdot \frac{I_y}{I_y} \cdot \eta = -\frac{I_y}{I_y} \cdot \eta$$

Werte
negativ

gegenseitig
gleich!

$$s = \tan \beta \cdot \eta$$

$$\tan \beta = -1 \cdot \frac{I_y}{I_x} \rightarrow \beta = -75,45^\circ$$



Stützgeraden

