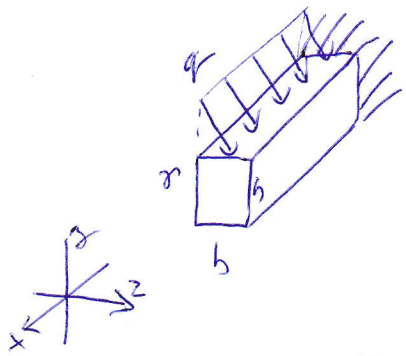
1.



$kk = 2$ $\gamma_1 = 45°$ $b = 20\ mm$

$h = 30\ mm$ 11600 $\ell = 500\ mm$

$\alpha = 2$

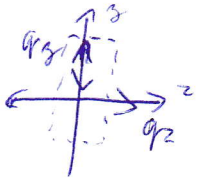
$i = 3 - 3 = 0$

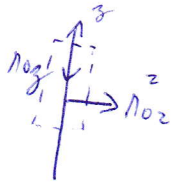
$Re = \frac{3}{2} \cdot 600 = 400\ MPa$

$\alpha(\sigma_3 + \sigma_2)$ $\sigma_D = \frac{Re}{\gamma_k} = \frac{400}{2} = 200$

$q_y = q \cdot \cos\gamma_1$

$q_z = q \cdot \sin\gamma_1$





$\sigma_y = \frac{M_{oz}}{I_y} \cdot z$

$\sigma_z = \frac{M_{oy}}{I_z} \cdot y$

$I_z = \frac{1}{12} \cdot b \cdot h^3$

$I_y = \frac{1}{12} \cdot b^3 \cdot h$