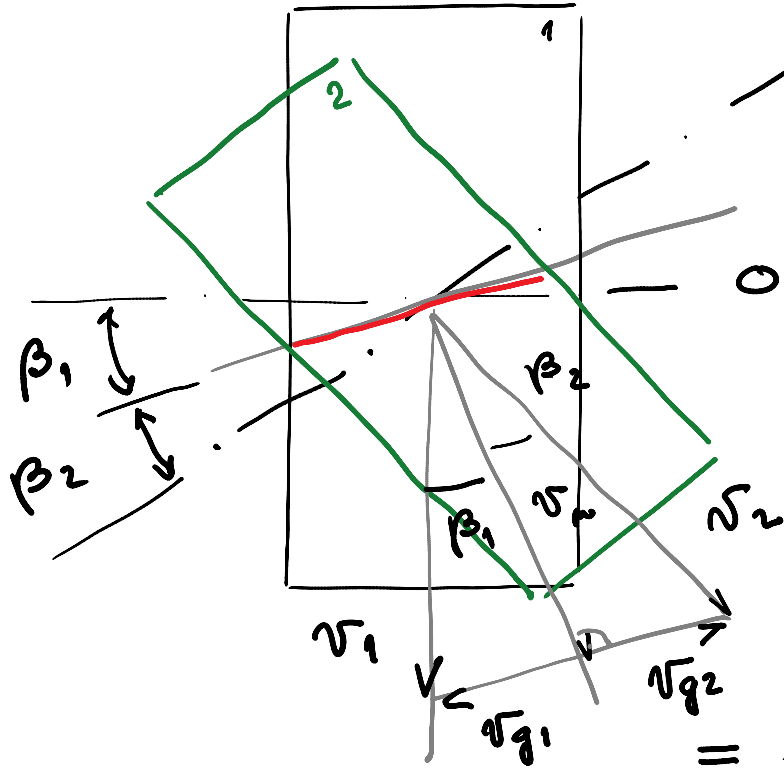


VIJAČNE TOBNIŠKE DUOTICE



$$\Sigma = \beta_1 + \beta_2$$

$$v_1 = \omega_1 \cdot \frac{dw_1}{2}$$

$$v_2 = \omega_2 \cdot \frac{dw_2}{2}$$

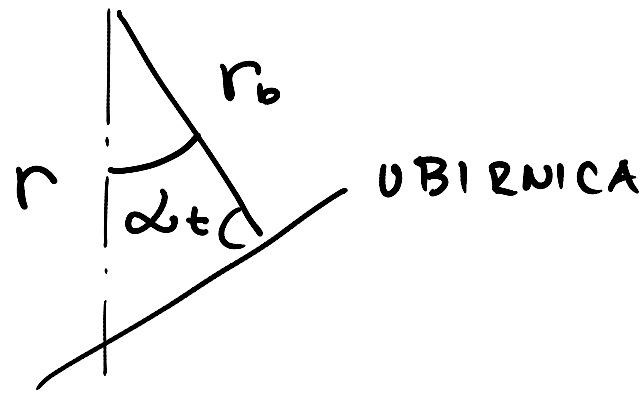
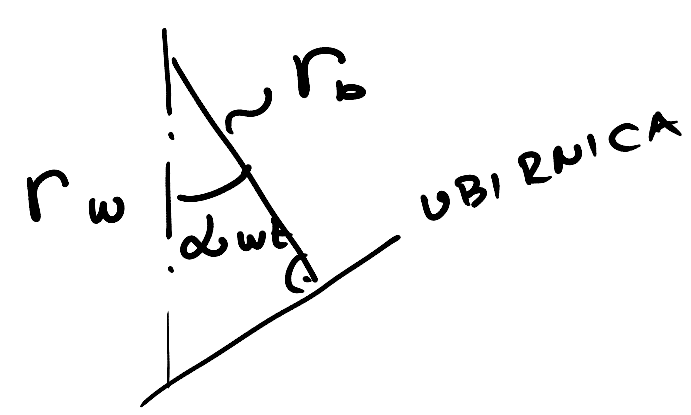
$$v_{m1} = v_{m2} = v_m = v_1 \cos \beta_1 = v_2 \cos \beta_2$$

PRESTAUNO RAZMERJE

$$i = \frac{\omega_1}{\omega_2} = \frac{2v_1 dw_2}{dw_1 2v_2} =$$

$$= \frac{dw_2 \cos \beta_2}{dw_1 \cos \beta_1}$$

$$i = \frac{v_m z_2 \cos \beta_2 + \cos \beta_2}{\cos \beta_2 \cos \beta_2} \cdot \frac{\cos \beta_1 \cos \beta_1}{v_m z_1 \cos \beta_1 + \cos \beta_1} = \frac{z_2}{z_1}$$



$$d_{w1} \cdot \cos \alpha_w = d_{b1}$$

$$d_{w2} \cos \alpha_w = d_{b2}$$

$$d_1 \cdot \cos \alpha_t = d_{b1}$$

$$d_2 \cdot \cos \alpha_t = d_{b2}$$

$$d_1 = m_{t1} \cdot z_1$$

$$d_2 = m_{t2} \cdot z_2$$

$$m_{t1} = \frac{m_w}{\cos \beta_1} \quad m_{t2} = \frac{m_w}{\cos \beta_2}$$

$$d_{w1} = \frac{d_{b1}}{\cos \alpha_w} = \frac{d_1 \cdot \cos \alpha_t}{\cos \alpha_w} = \frac{m_{t1} \cdot z_1 \cos \alpha_t}{\cos \alpha_w} = \frac{m_w \cdot z_1 \cos \alpha_t}{\cos \beta_1 \cdot \cos \alpha_w}$$

$$d_{w2} = \frac{m_w \cdot z_2 \cdot \cos \alpha_t}{\cos \beta_2 \cos \alpha_w}$$

DRSNA HITROST

$$v_g = v_{g1} + v_{g2} = v_1 \sin \beta_1 + v_2 \sin \beta_2$$

MEDOSNI RAČNIK

$$a = \frac{dw_1 + dw_2}{2} = \frac{M_m \cos \alpha t}{2 \cos \alpha \omega t} \left(\frac{z_1}{\cos \beta_1} + \frac{z_2}{\cos \beta_2} \right)$$