

Брзину

$$V_{B1} = w_1 \cdot l_{AB} \perp AB$$

$$V_E = w_1 \cdot l_{AE} \perp AE$$

- гујага 2-3:

$$\vec{V}_{B2} = \vec{V}_{B1} + \vec{V}_{21} \rightarrow \vec{V}_{21}, \vec{V}_{B2}$$

$$+BC \parallel AB$$

$$w_3 = \frac{V_{B2}}{l_{BC}} \uparrow \vec{V}_{B2} \rightarrow w_3$$

$$\vec{V}_D = w_3 \cdot l_{CD} \downarrow \vec{V}_D$$

(или со I Менкелова теорема)

$\overline{BCD} \sim \overline{b_2cd}$

свршан углат на дрз.

(искористена е сличноста на угловите на фигурама BCD и угловите на дрз.)

- гујага 4-5:

$$\vec{V}_F = \vec{V}_D + \vec{V}_{FD} = \vec{V}_E + \vec{V}_{FE}$$

$$\rightarrow V_F = k_v \cdot P_{vf}, V_{FD}, V_{FE}$$

$$w_4 = \frac{V_{FE}}{l_{FE}} \quad w_5 = \frac{V_{FD}}{l_{FD}}$$

Задрзубава

$$a_{B1} = l_{AB} \cdot w_1^2 \quad a_E = l_{AE} \cdot w_1^2$$

$$\vec{a}_{B2} = \vec{a}_{B1} + \vec{a}_{21} + \vec{a}_{21}^{cor} = \vec{a}_{B2C}^n + \vec{a}_{B2C}^t$$

( $a_{21}^{cor} = 2w_1 \cdot v_{21}$ )

$$\vec{a}_{B2C}^n = l_{BC} \cdot w_3^2$$

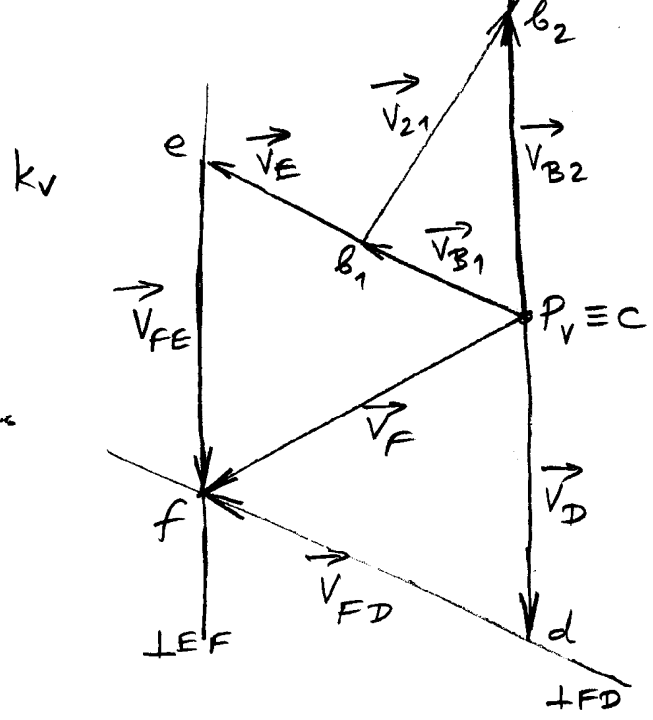
$$\vec{a}_D - \text{ог II Менкелова теорема}$$

сличноста:  $\overline{BCD} \sim \overline{b_2'c'd'}$

$$\vec{a}_F = \vec{a}_E + \vec{a}_{FE}^n + \vec{a}_{FE}^t = \vec{a}_D + \vec{a}_{FD}^n + \vec{a}_{FD}^t$$

$$\rightarrow a_F, a_{FD}, a_{FE}$$

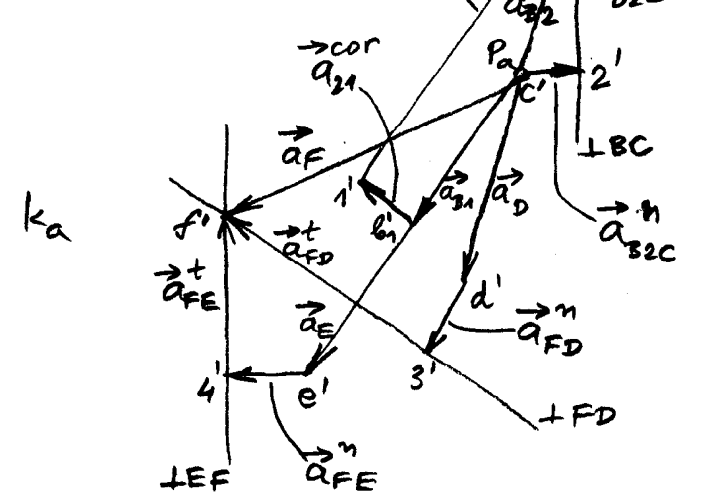
$$E_4 = a_{FE}^t / l_{FE}, E_5 = a_{FD}^t / l_{FD}$$



$$a_{21}^t = k_a \cdot \overline{1'b_2'}, a_{B2C}^t = k_a \cdot \overline{2'b_2'}$$

$$a_{FE}^t = k_a \cdot \overline{4'f'}, a_{FD}^t = k_a \cdot \overline{3'f'}$$

$$a_F = k_a \cdot \overline{P_{af}'}$$



$$E_4 = a_{FE}^t / l_{FE}, E_5 = a_{FD}^t / l_{FD}$$