

Znáš  $\omega_{21}$  a  $\alpha_{21}$ , urči  $v_{61}$  a  $a_{61}$ , graficky

SP rychlosti

1. B:  $\gamma_1 = \gamma_2 + 21$

$\gamma_1 = \gamma_4 + 41 \Rightarrow \gamma_1 = 41$

$$\vec{v}_{B1} = \vec{v}_{B4} = \vec{v}_{B2} + \vec{v}_{21}$$

2.  $\omega_{32} = \frac{v_{32}^B}{|BA|}$

3.  $v_{32}^C = \omega_{32} \cdot |CA|$

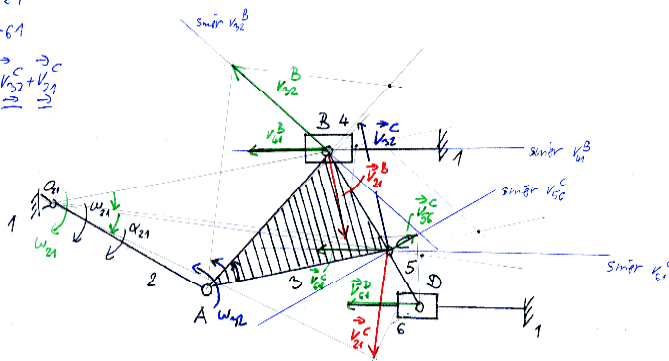
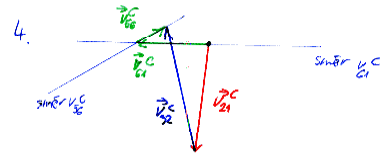
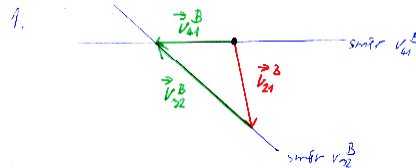
4. C:  $\gamma_1 = \gamma_2 + 21$

$\gamma_1 = \gamma_5 + 21$

$\gamma_1 = \gamma_6 + 61$

$$\vec{v}_{51}^C = \vec{v}_{56}^C + \vec{v}_{61}^C = \vec{v}_{52}^C + \vec{v}_{21}^C$$

5.  $\vec{v}_{61}^B = \vec{v}_{61}^C$



SP zrychlení

1. B:  $\gamma_1 = \gamma_2 + 21$

$\gamma_1 = \gamma_4 + 41 \Rightarrow \gamma_1 = 41$

$$\vec{a}_{B1} = \vec{a}_{B4} = \vec{a}_{B2} + \vec{a}_{21} + \vec{a}_{C321}$$

2.  $\alpha_{32} = \frac{a_{32}^B}{|BA|}$

3.  $a_{321}^C = \alpha_{32} \cdot |CA|$

4. C:  $\gamma_1 = \gamma_2 + 21$

$\gamma_1 = \gamma_5 + 21$

$\gamma_1 = \gamma_6 + 61$

$$\vec{a}_{51}^C = \vec{a}_{56}^C + \vec{a}_{61}^C + \vec{a}_{C561} = \vec{a}_{52}^C + \vec{a}_{21}^C + \vec{a}_{C321}$$

5.  $\vec{a}_{61}^B = \vec{a}_{61}^C$

$$\vec{a}_{561}^C = 2\vec{\omega}_{21} \times \vec{v}_{61}^C$$

