

Znáš ω_{21} a α_{21} , urči ω_{61} a α_{61} , graficky

Rychlosti

1. A: $31 = 32 + 21$
 $31 = 34 + 41 \Rightarrow 31 = 41$
 0

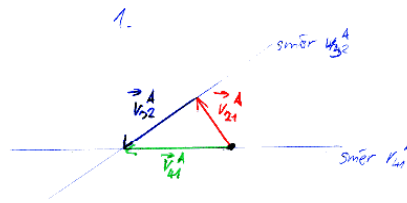
$$\vec{v}_{31} = \vec{v}_{41} = \vec{v}_{32} + \vec{v}_{21}$$

2. $\omega_{41} = \frac{v_{41}}{|AO_{41}|}$

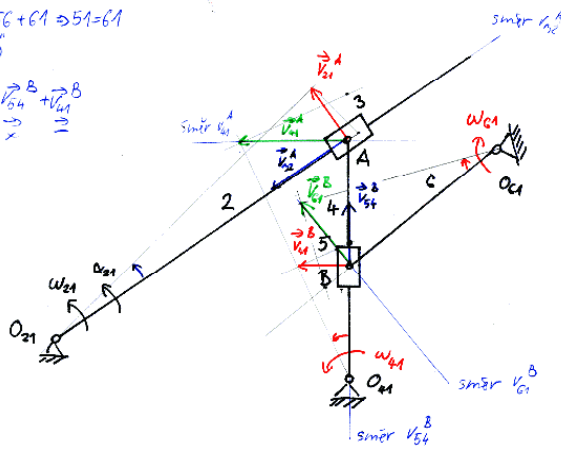
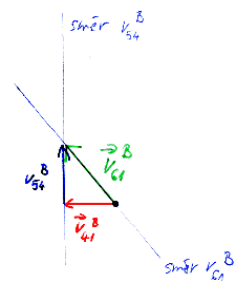
3. $v_{41}^B = \omega_{41} \cdot |BO_{41}|$

4. B: $51 = 54 + 41$
 $51 = 56 + 61 \Rightarrow 51 = 61$
 0

$$\vec{v}_{51} = \vec{v}_{61} = \vec{v}_{54} + \vec{v}_{41}$$



4.



Zrychlení

1. A: $31 = 32 + 21$
 $31 = 34 + 41 \Rightarrow 31 = 41$
 0

$$\vec{a}_{41} = \vec{a}_{32} + \vec{a}_{21} + \vec{a}_{cor321}$$

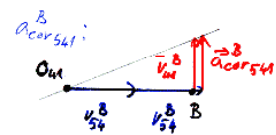
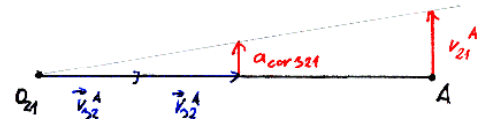
2. $\alpha_{41} = \frac{a_{41}}{|AO_{41}|}$

3. $a_{41}^B = \alpha_{41} \cdot |BO_{41}|$

4. B: $51 = 54 + 41$
 $51 = 56 + 61 \Rightarrow 51 = 61$
 0

$$\vec{a}_{61} = \vec{a}_{54} + \vec{a}_{41} + \vec{a}_{cor541}$$

$$\vec{a}_{cor321} = 2 \cdot \vec{\omega}_{21} \times \vec{v}_{32}$$



$$\vec{a}_{cor541} = 2 \cdot \vec{\omega}_{41} \times \vec{v}_{54}$$

