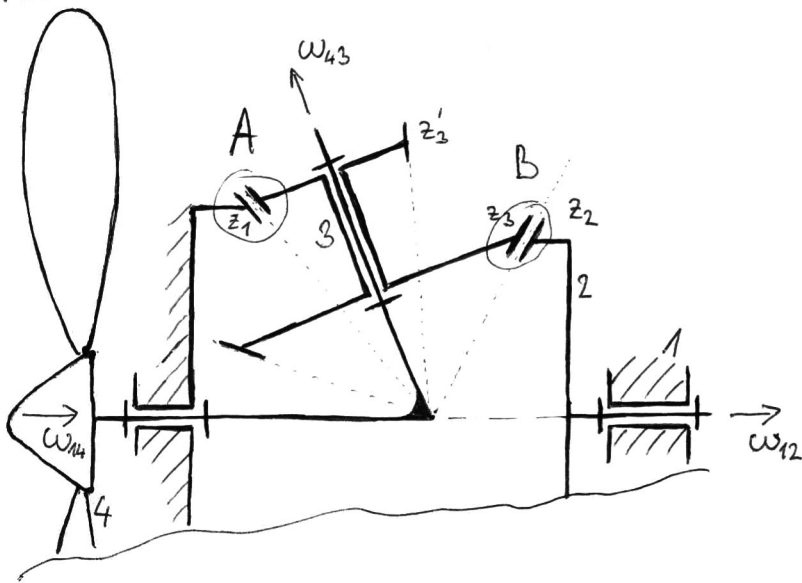


Pr:



D: z_1, z_2, z_3, z'_1

U: p_{24}

Řešení:

$$1:3 = 1:4 + 4:3$$

A... $\underline{N}_{13} = 0$

$$\underline{N}_{14} + \underline{N}_{43} = 0$$

$$\omega_{14} \cdot r_1 + \omega_{43} \cdot r'_3 = 0$$

$$\rightarrow \omega_{43} = -\frac{r_1}{r'_3} \omega_{14}$$

B... $\underline{N}_{12} = \underline{N}_{13}$

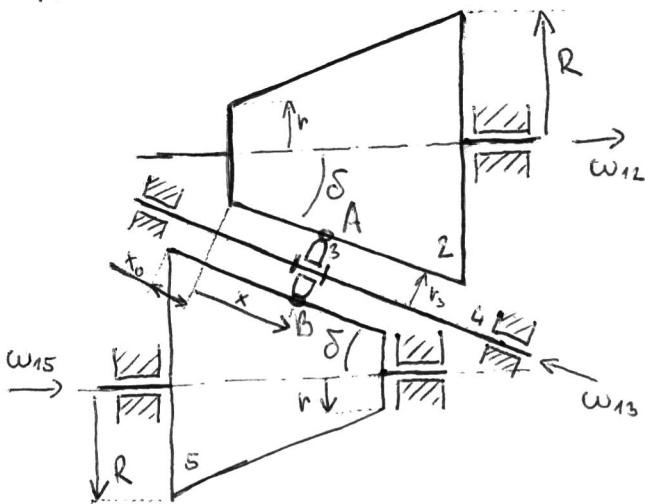
$$\underline{N}_{12} = \underline{N}_{14} + \underline{N}_{43}$$

$$\omega_{12} \cdot r_2 = \omega_{14} \cdot r_2 - \omega_{43} \cdot r_3$$

$$\omega_{12} \cdot r_2 = \omega_{14} (r_2 + \frac{r_1}{r'_3} \cdot r_3)$$

$$p_{24} = \frac{\omega_{14}}{\omega_{12}} = \frac{r_2}{r_2 + \frac{r_1}{r'_3} \cdot r_3} = \frac{r_2 r'_3}{r_2 r'_3 + r_1 r_3} = \frac{z_2 \cdot z'_3}{z_2 z'_3 + z_1 z_3}$$

Pr:



D: R, r, r_3, δ, x_0

U: převod variátoru p_{25} jako funkci x

A: $\omega_{12} (r + x \cdot \sin \delta) = \omega_{13} r_3$

B: $\omega_{15} (R - (x_0 + x) \sin \delta) = \omega_{13} r_3$

$$\omega_{12} (r + x \cdot \sin \delta) = \omega_{15} (R - (x_0 + x) \sin \delta) \Rightarrow p_{25} = \frac{\omega_{15}}{\omega_{12}} = \frac{r + x \cdot \sin \delta}{R - (x_0 + x) \sin \delta}$$