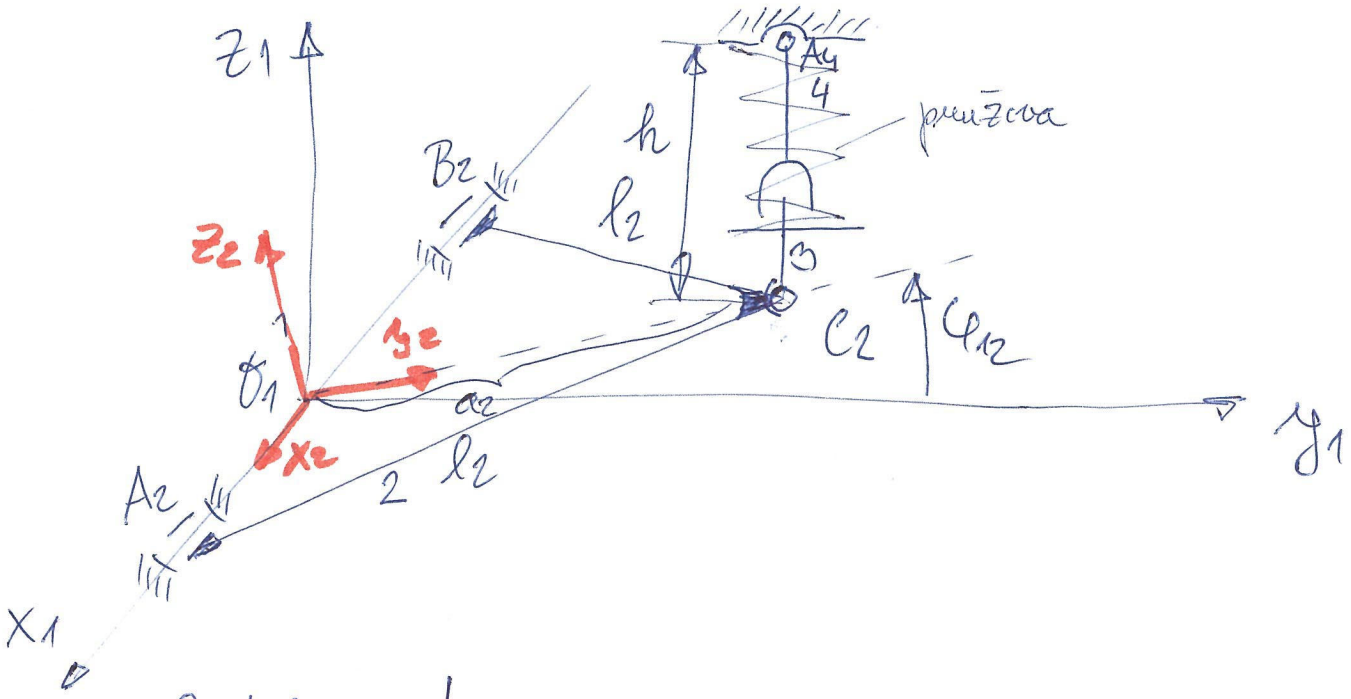

Pohyblivost

$6(4-1) - 1\,rot \cdot 5 - 2\,sf \cdot 3 - 1\,cyl \cdot 4 = 18 - 5 - 6 - 4 =$

$3 - 2\,par.°\,vol = 1°\,vol$

rotace „3"

rotace „4"

Řešitelnost

$\underline{S} = [\varphi_{12}, h]^T$

$2\,souř. - 1°\,vol = 1\,vazb.\,rov.$

$\Rightarrow$ vyjmuté stupicy těles 3-4 $\Rightarrow$ 1 rov $\Rightarrow$ řešitelné

$|r_{1C2} - r_{1A4}| = h$ $\quad \underline{r}_{1A4} = [x_{1A4}, y_{1A4}, z_{1A4}, 1]^T$

$\underline{r}_{1C2} = \underline{T}_{12} \cdot \underline{r}_{2C2}$

$\underline{T}_{12} = \underline{T}_{\varphi x}(\varphi_{12})$

$h = \sqrt{(x_{1A4} - x_{1C2})^2 + (y_{1A4} - y_{1C2})^2 + (z_{1A4} - z_{1C2})^2}$

$$\underline{r}_{2C2} = \begin{bmatrix} 0 \\ a_2 \\ 0 \\ 1 \end{bmatrix}$$