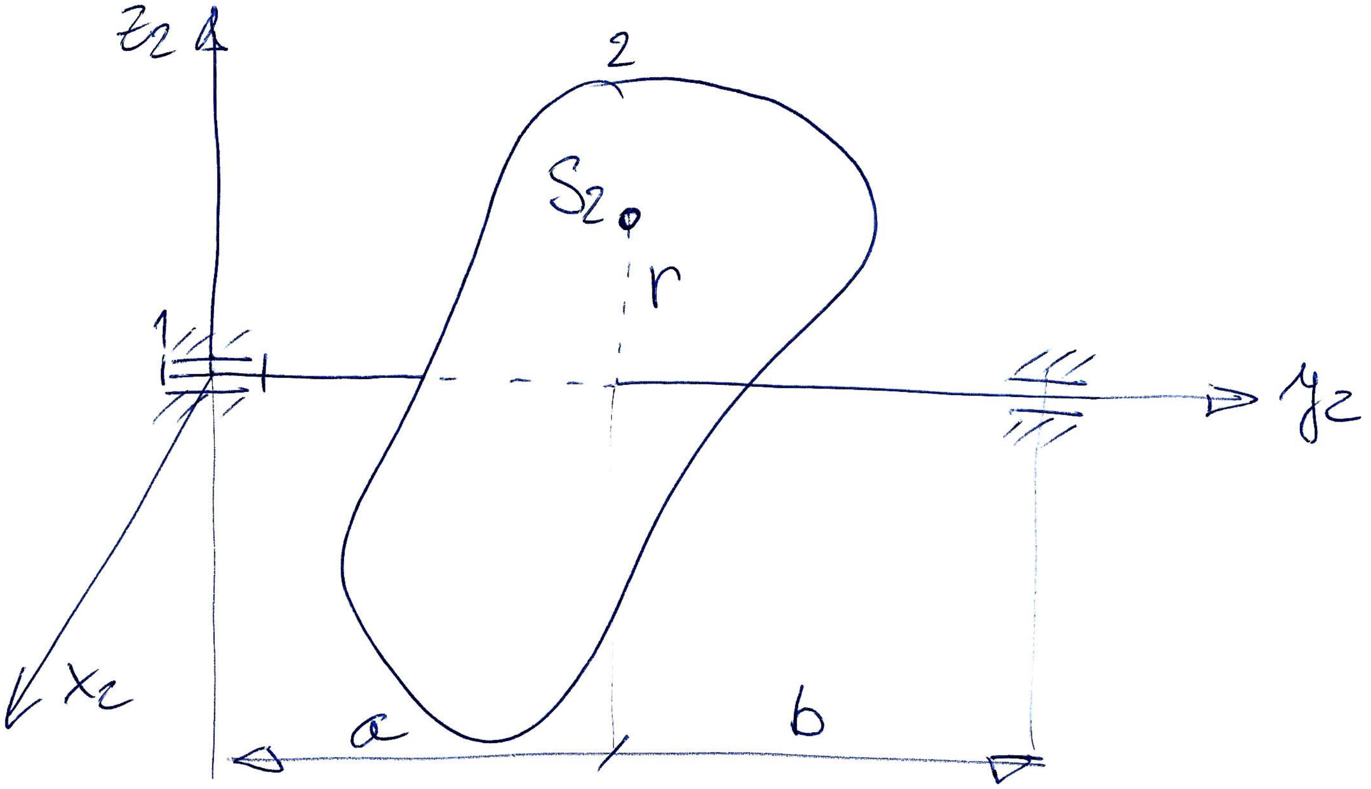
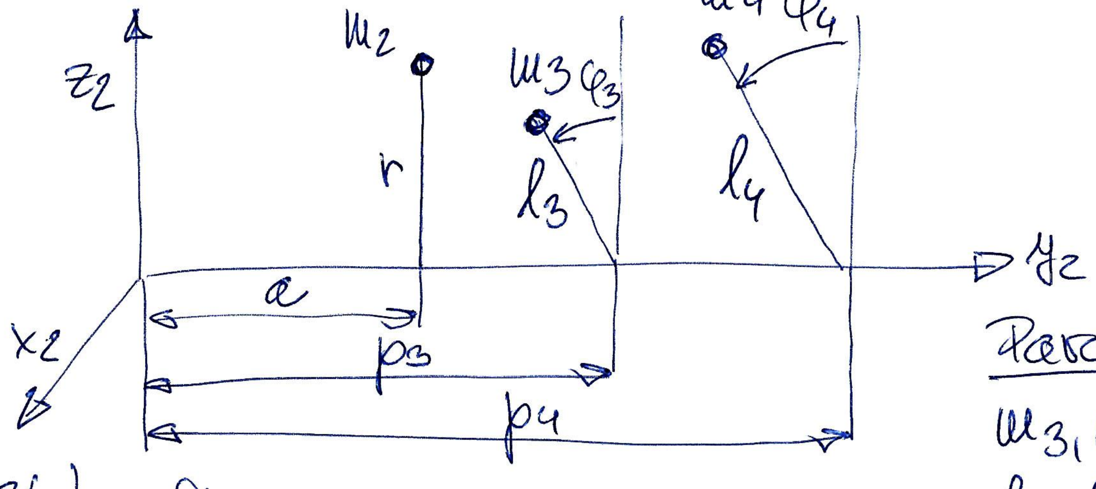

z_2
2
S_2
r
1
y_2
x_2
a
b

D: $a, b, r, m_2, D_{x_2y_2}, D_{y_2z_2}$


z_2
m_2
$m_3\ \varphi_3$
$m_4\ \varphi_4$
r
l_3
l_4
y_2
x_2
a
p_3
p_4

Parametry

m_3, m_4, p_3, p_4

$\underbrace{l_3, l_4, \varphi_3, \varphi_4}$

4 volím

(4 rovnice)

$\Downarrow$

volím s ohledem na geometrii nevyváženého tělesa

Stat. podm.

y_2z_2: $m_3 \cdot l_3 \sin\varphi_3 + m_4 l_4 \sin\varphi_4 = 0$

x_2y_2: $m_2 \cdot r + m_3 \cdot l_3 \cos\varphi_3 + m_4 \cdot l_4 \cos\varphi_4 = 0$

Dynam. podm.

x_2y_2: $D_{x_2y_2} + m_3 l_3 \sin\varphi_3 \cdot p_3 + m_4 l_4 \sin\varphi_4 \cdot p_4 = 0$

y_2z_2: $D_{y_2z_2} + m_3 \cdot p_3 l_3 \cos\varphi_3 + m_4 l_4 p_4 \cos\varphi_4 = 0$