

1. $\hat{\Omega} = \Omega \times (-l, l)$ mit $l \gg \text{diam } \Omega$,
2.
$$\vec{f}_I = \begin{pmatrix} 0 \\ 0 \\ f_{I3}(x_1, x_2) \end{pmatrix}, \quad x = (x_1, x_2) \in \Omega,$$

($\Rightarrow \operatorname{div} \vec{f}_I = 0$!)
3.
$$M = H_0 = \begin{pmatrix} H_{01}(x_1, x_2) \\ H_{02}(x_1, x_2) \\ 0 \end{pmatrix}, \quad x = (x_1, x_2) \in \Omega,$$
4.
$$H = \begin{pmatrix} H_1(x_1, x_2) \\ H_2(x_1, x_2) \\ 0 \end{pmatrix}, \quad x = (x_1, x_2) \in \Omega.$$