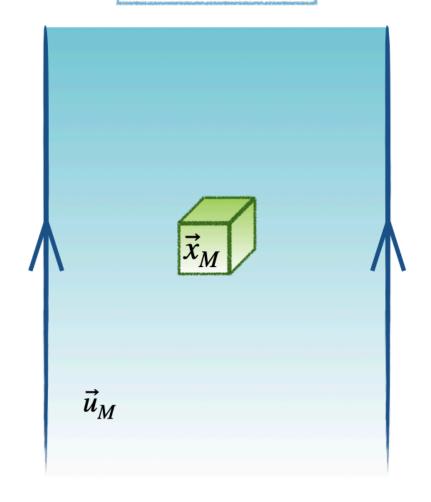
## Lab frame

## $\overrightarrow{U}_a = (0, 0, -1)$ $\vec{x}_L$ $\vec{u}_L$

Moving frame



$$\vec{0}$$

$$-\overrightarrow{U}_a=(0,\,0,\,1)$$

$$-\overrightarrow{U}_a = (0, 0, 1)$$