**Hydrodynamika**
**Homework 5: Fluid dynamics**
**15. November 2023**

**Problem:**
Compute the size of acceleration of the flow described by (eulerian) equations

$$u = A \sin (kx + ly + \omega t), \quad v = -A \cos (kx + ly + \omega t),$$

where $k$, $l$, $\omega$ and $A$ are constants.