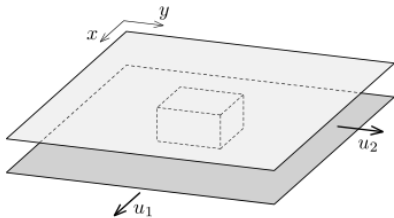


T2: Brick between two planes (10 pts)

A small brick is squeezed between two parallel planes in zero gravity. The planes are perpendicular to the z -axis. The lower plane is moving with constant velocity u_1 along the x -axis, whilst the upper one is moving with constant velocity u_2 along the y -axis.



Initially, the brick is at rest. The coefficient of kinetic friction between the brick and each plane is identical.

- (4 pts) Find the speed of the brick v_∞ after a long time for $u_1 = u_2$.
- (6 pts) Find the speed of the brick v_∞ after a long time for $u_1 \neq u_2$.