



Correct PDE	$u_t + (uu_x + vu_y) = -p_x + 0.01(u_{xx} + u_{yy})$ $v_t + (uv_x + vv_y) = -p_y + 0.01(v_{xx} + v_{yy})$
Identified PDE (clean data)	$u_t + 0.995(uu_x + vu_y) = -p_x + 0.01120(u_{xx} + u_{yy})$ $v_t + 0.995(uv_x + vv_y) = -p_y + 0.01120(v_{xx} + v_{yy})$
Identified PDE (1% noise)	$u_t + 0.992(uu_x + vu_y) = -p_x + 0.00927(u_{xx} + u_{yy})$ $v_t + 0.992(uv_x + vv_y) = -p_y + 0.00927(v_{xx} + v_{yy})$