



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)	$u_t + 1.000(uu_x + vu_y) = -p_x + 0.01019(u_{xx} + u_{yy})$ $v_t + 1.000(uv_x + vv_y) = -p_y + 0.01019(v_{xx} + v_{yy})$
Identified PDE (1% noise)	$u_t + 1.000(uu_x + vu_y) = -p_x + 0.01033(u_{xx} + u_{yy})$ $v_t + 1.000(uv_x + vv_y) = -p_y + 0.01033(v_{xx} + v_{yy})$