

$L_z$	Plate separation	40
$a$	Collision cell edge length	2
$\Delta t$	Simulation timestep	0.122
$\lambda$	Mean free path	0.122
$\gamma$	Mean particle density in a cell	5.35938
$m_f$	Fluid particle mass	1.
$g$	Driving acceleration	0.0005
$\nu_{\text{kin}}$	Kinetic contribution to $\nu$	0.0638533
$\nu_{\text{coll}}$	Collision contribution to $\nu$	1.48322
$\nu$	Kinematic viscosity	1.54708
Re	Reynolds Number	0.0835617