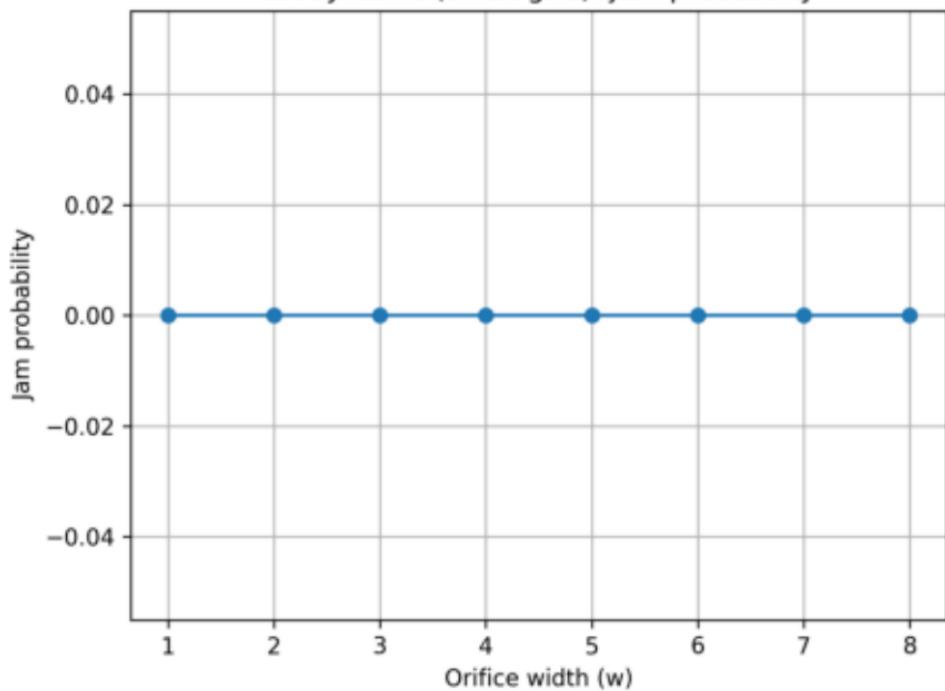
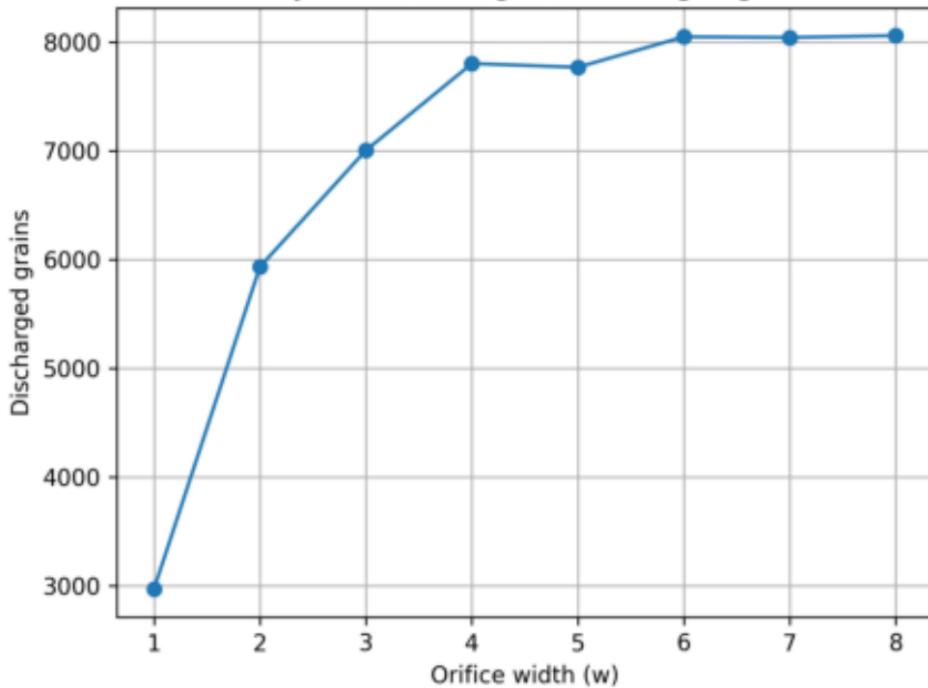


CA dynamic (small grid): jam probability



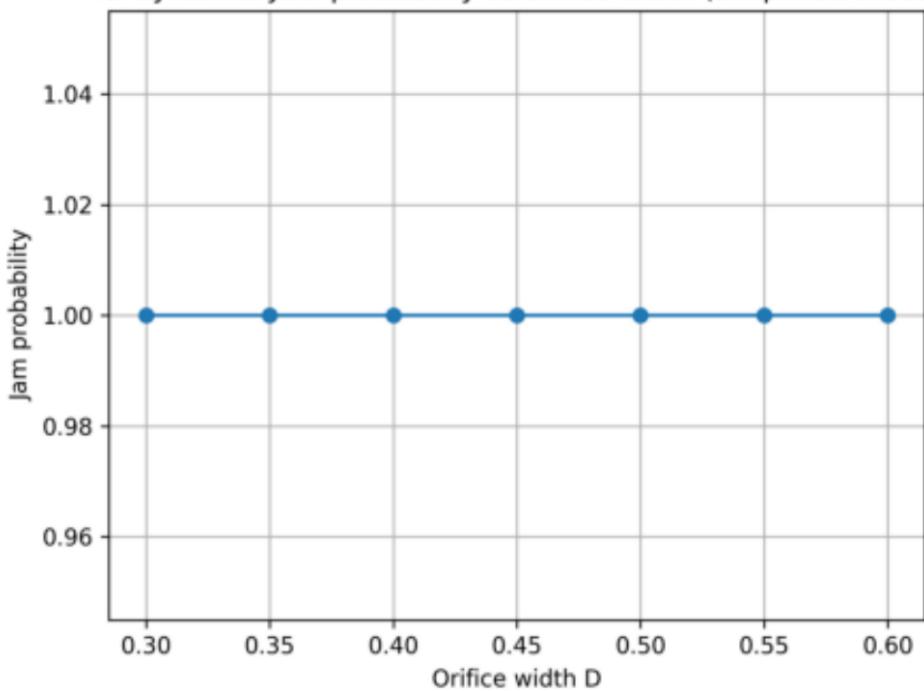
CA dynamic (small grid): discharged grains



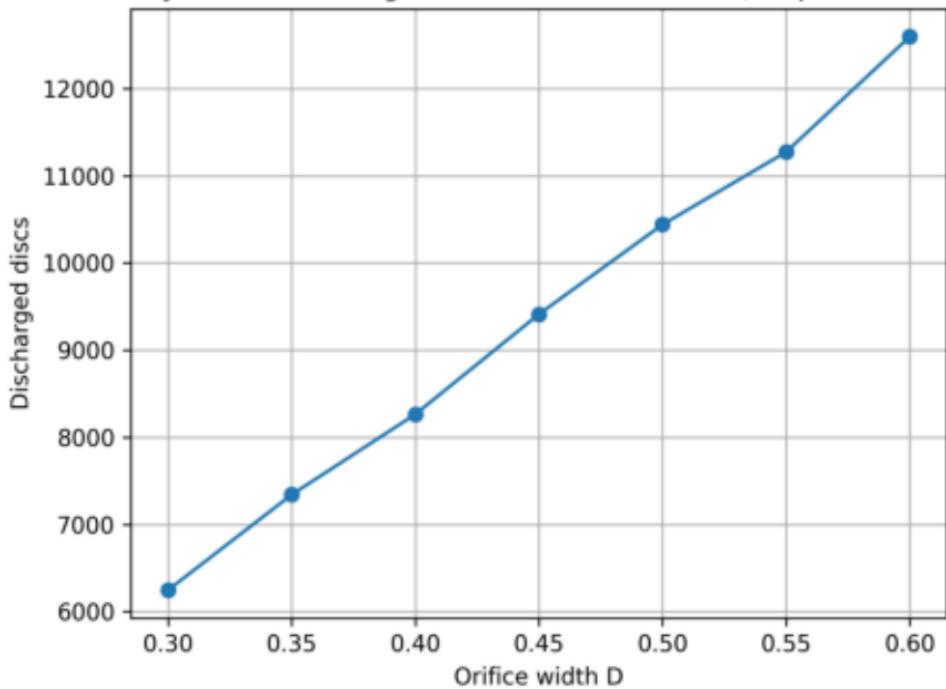
CA dynamic snapshot ($w=2$)



MD dynamic: Jam probability vs orifice width (simplified model)



MD dynamic: Discharged discs vs orifice width (simplified model)



MD dynamic snapshot (simplified, D=0.4)

