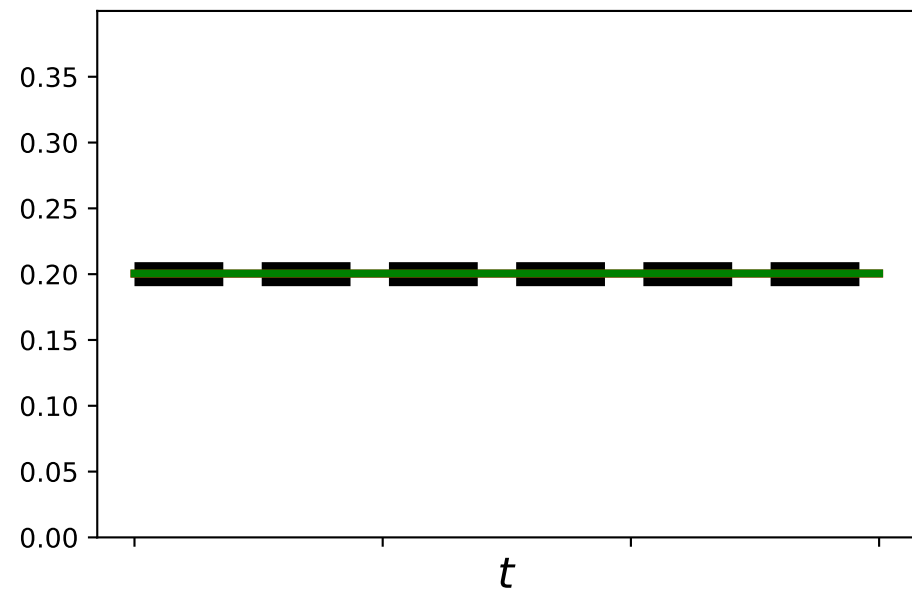


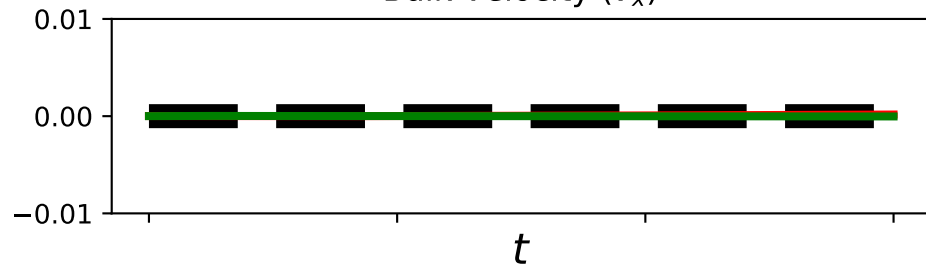
Physical Quantities

Trained for 4000 epochs

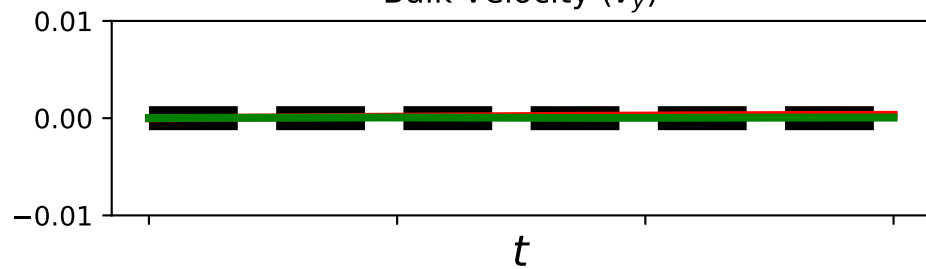
Mass Density (ρ)



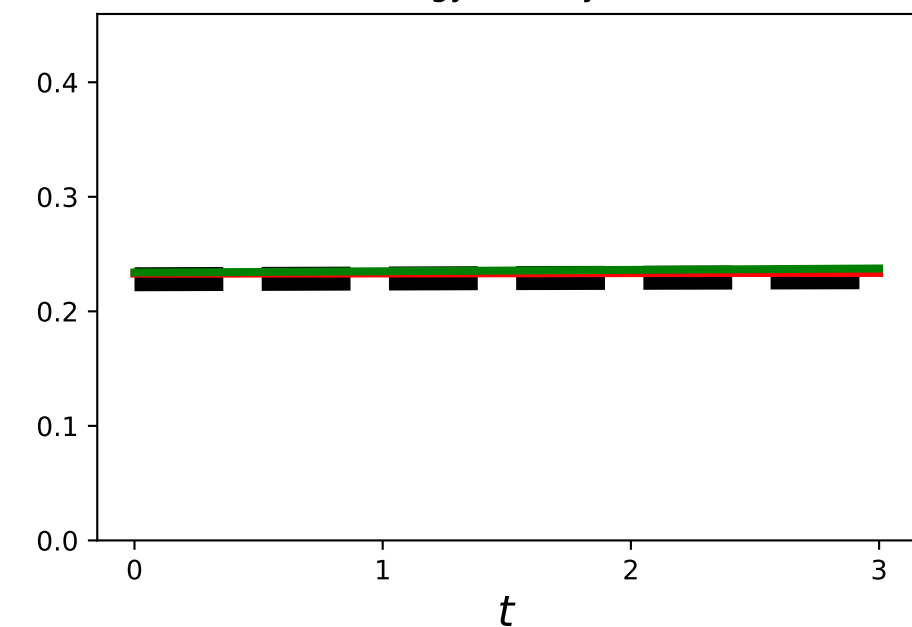
Bulk Velocity (v_x)



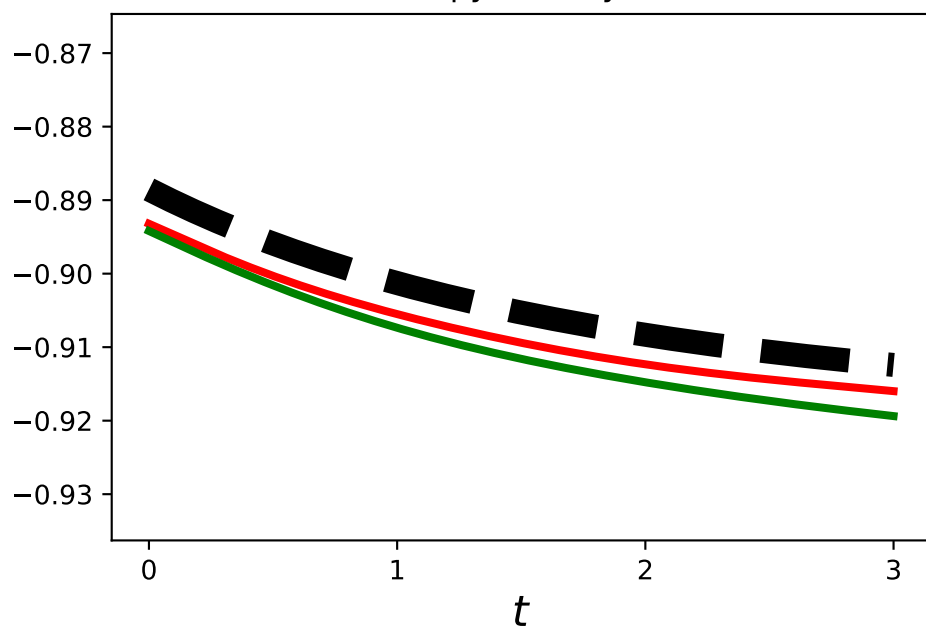
Bulk Velocity (v_y)



Energy Density (E)



Entropy Density (S)



Target opPINN PINN (ours)