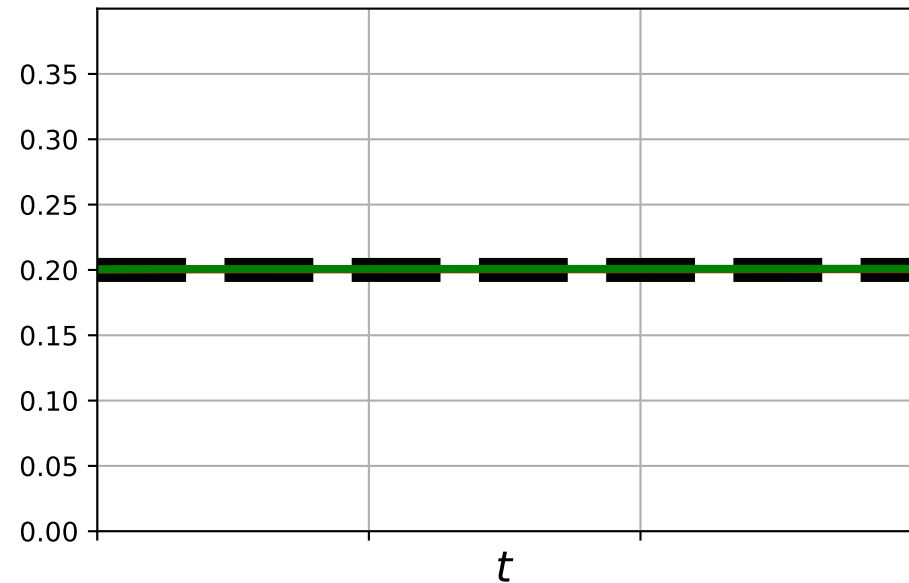


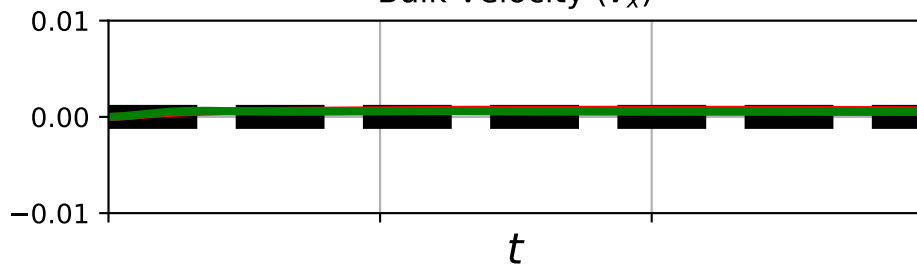
Sum of two Maxwellian distributions ($C = 3.00$, $\gamma = -2.00$)

Trained for 5000 epochs

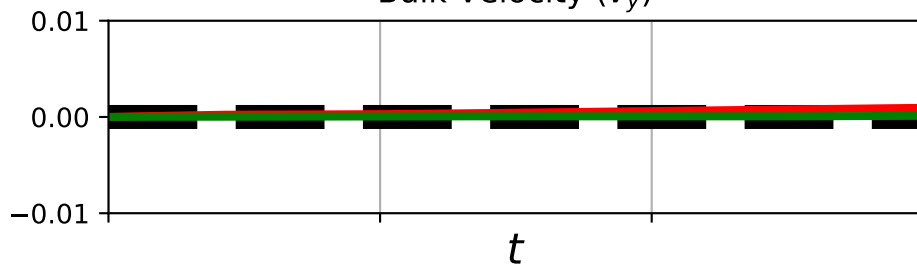
Mass Density (ρ)



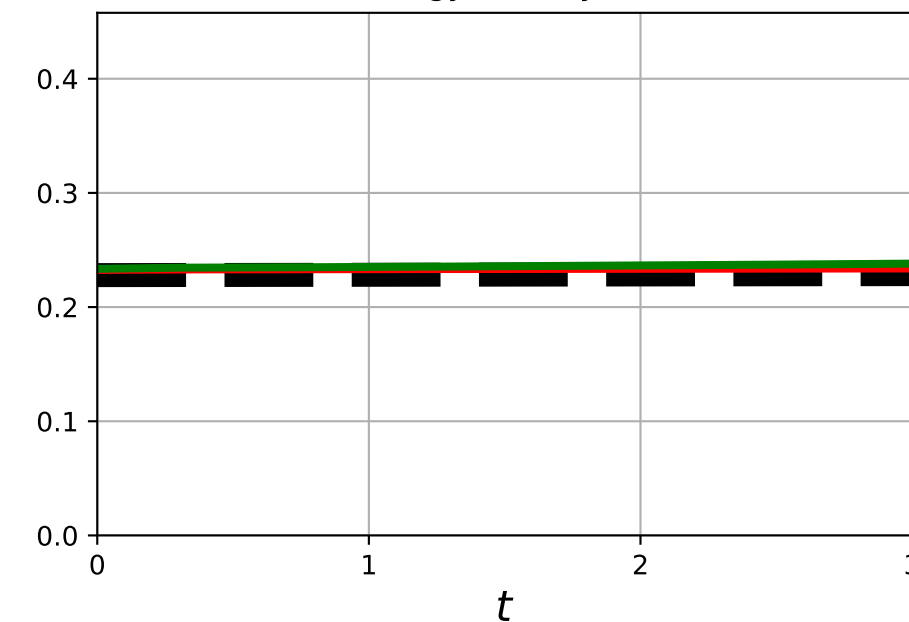
Bulk Velocity (v_x)



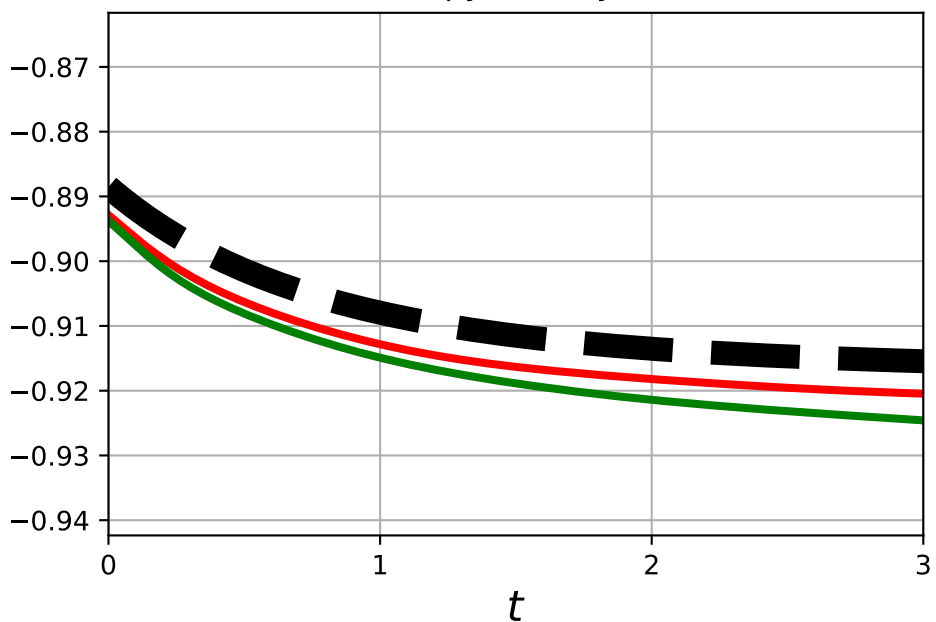
Bulk Velocity (v_y)



Energy Density (E)



Entropy Density (S)



Legend: Target (black dashed), opPINN (red solid), PINN (ours) (green solid)