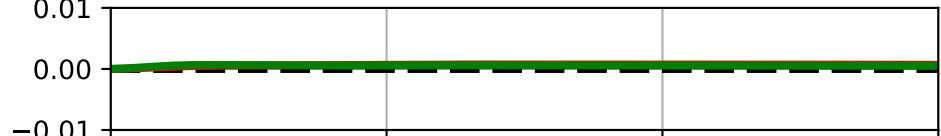


Sum of two Maxwellian distributions ( $\Lambda = 3.00$ ,  $\gamma = -2.00$ )  
Trained for 3000 epochs

Mass density ( $\rho$ )



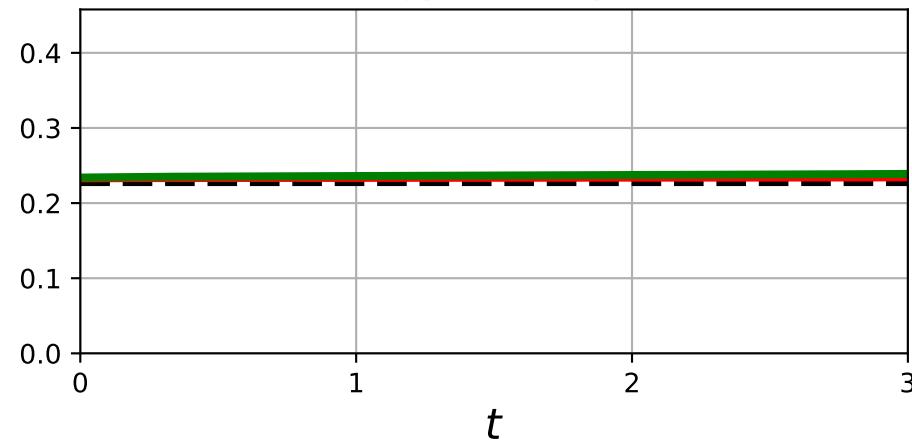
Bulk velocity ( $v_x$ )



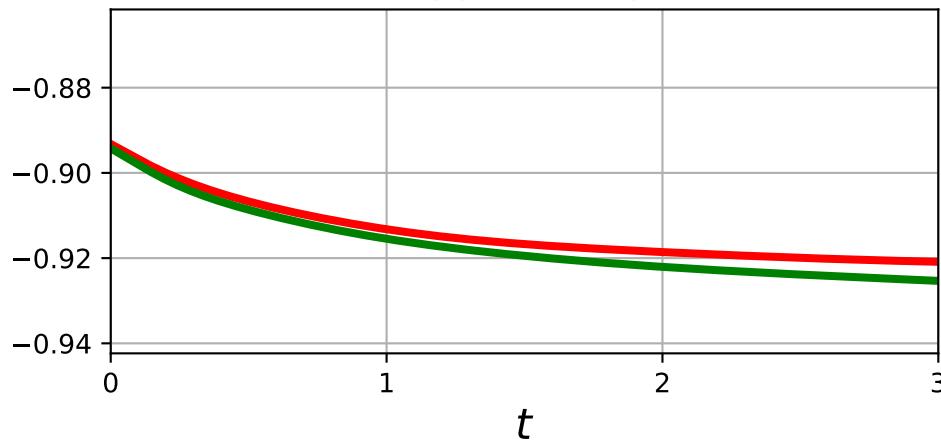
Bulk velocity ( $v_y$ )



Energy density ( $E$ )



Entropy density ( $H$ )



opPINN PINN (ours)