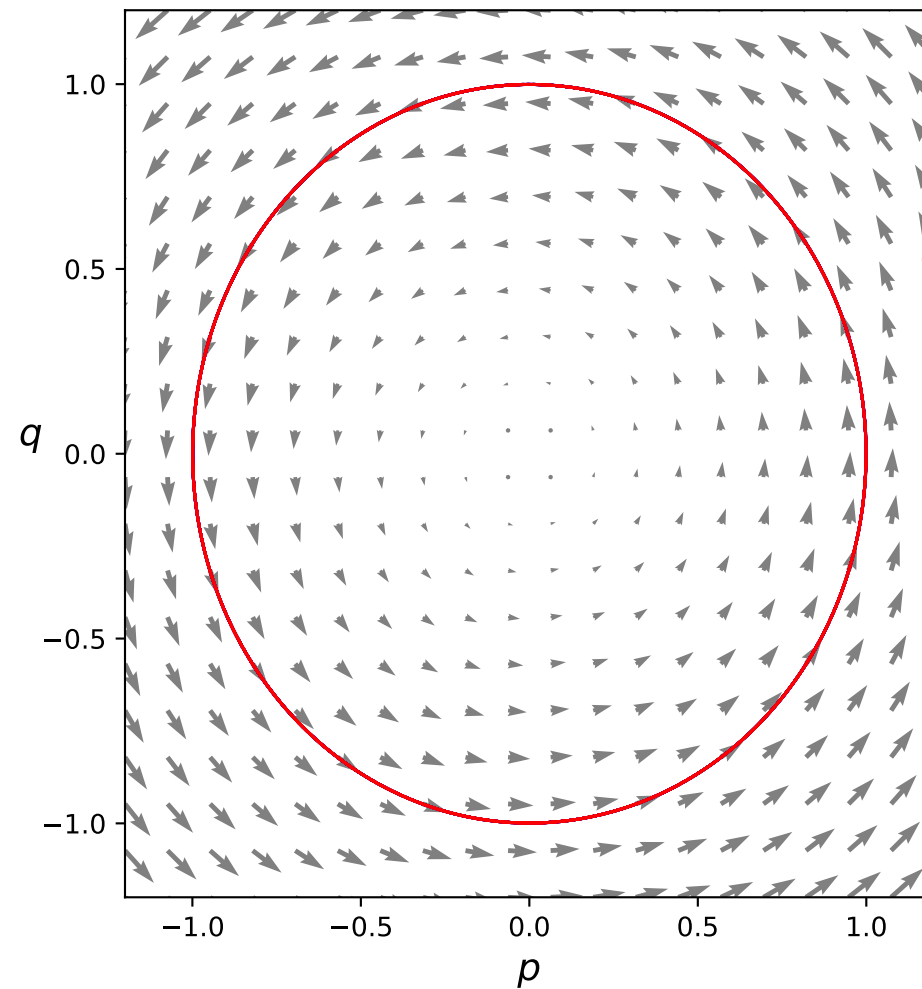
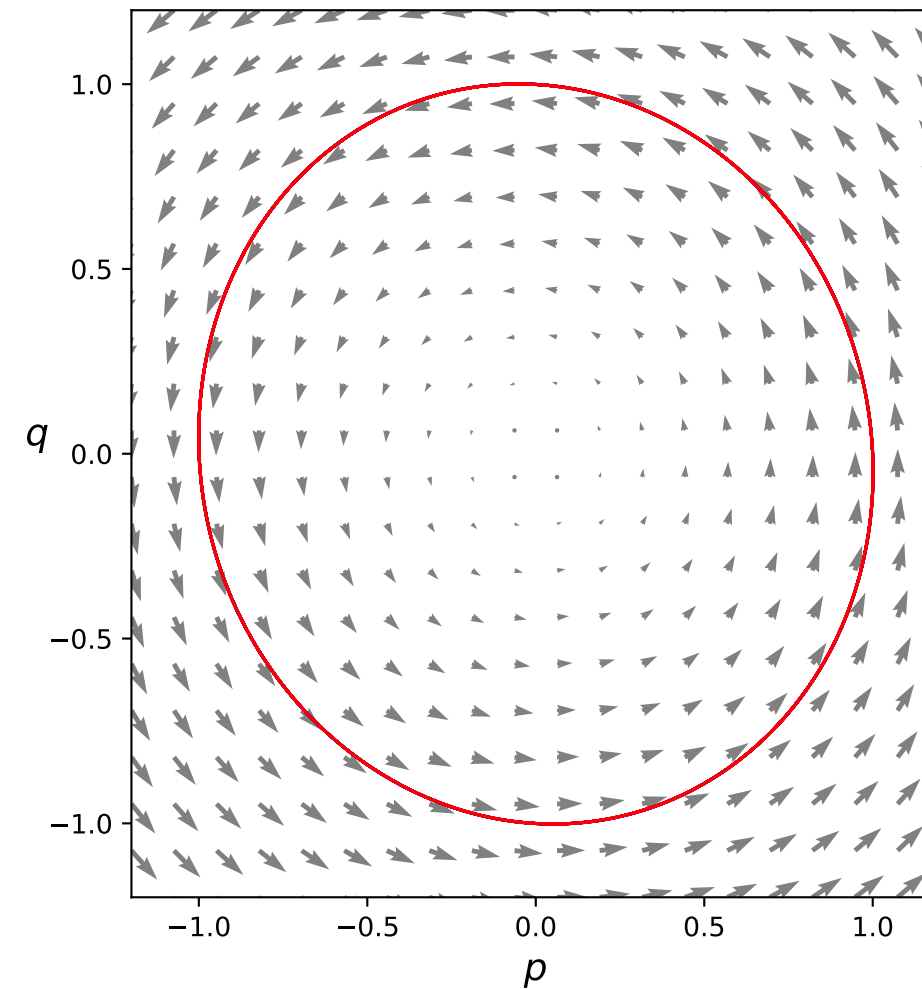


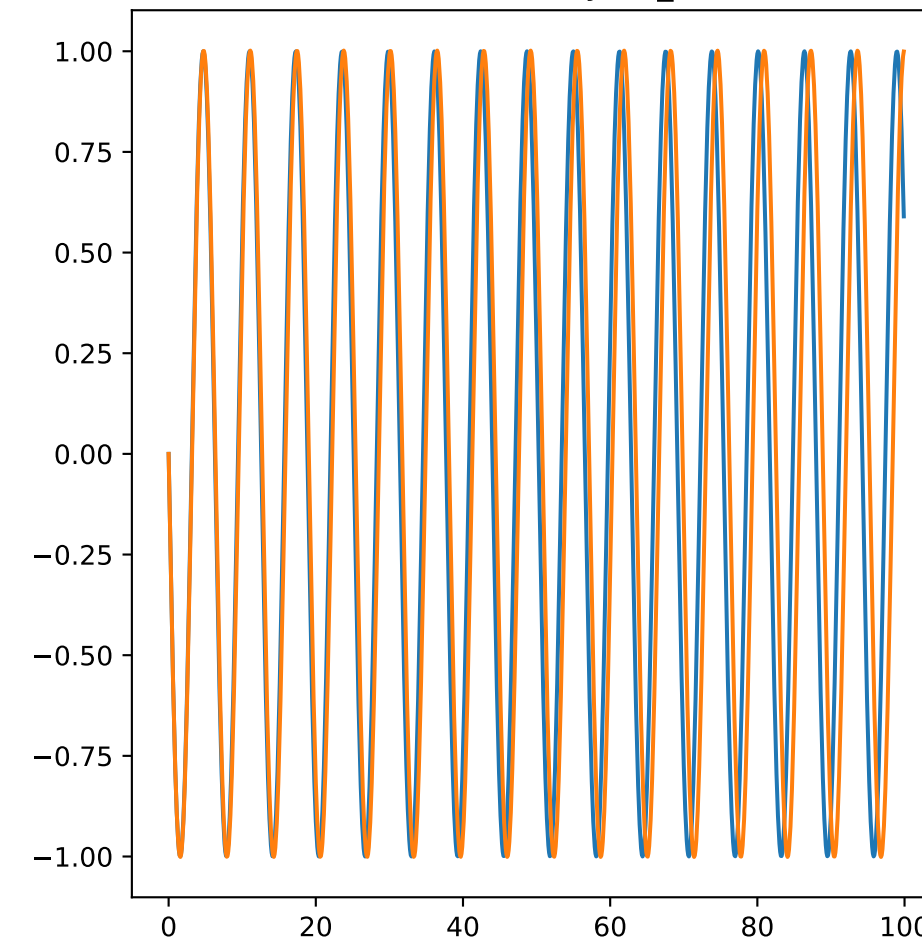
True Trajectory  
(Integrated with RK45)



Symplectic HNN:  $h = 0.1$ ,  $t_f = 300$   
Trained with euler-symp, Integrated with RK45



$p$  Coordinate vs. Time  
(Note: for more clarity,  $t_f = 100.0$ )



Deviation (norm of error) of the two trajectories  
(Over full timespan,  $t_f = 300$ )

