

Pendulum Controlled Trajectories

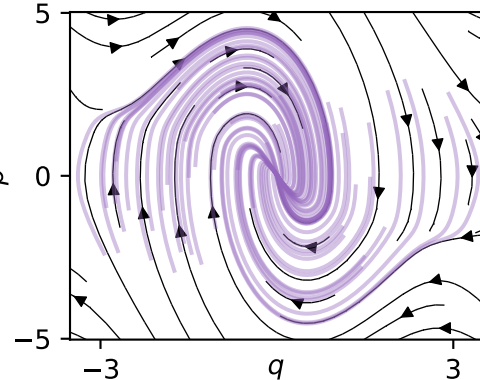
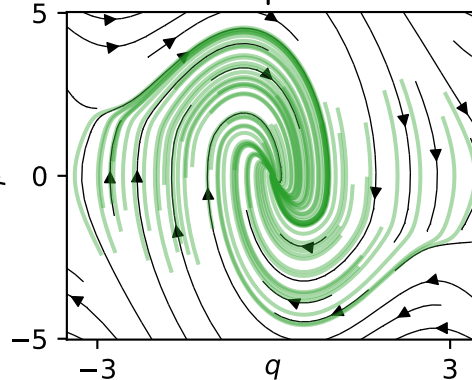
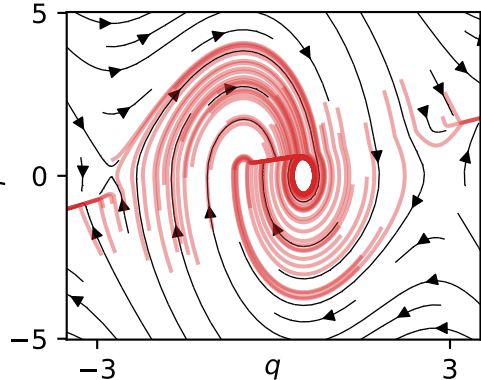
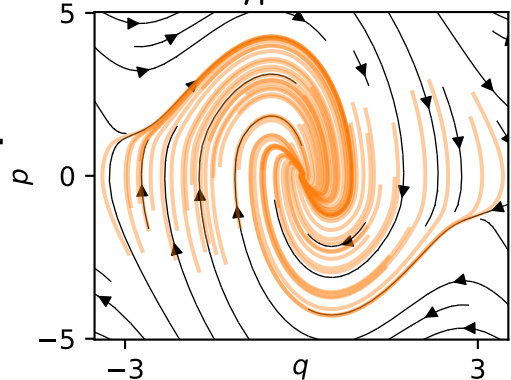
Phase Space

HyperEuler

Euler

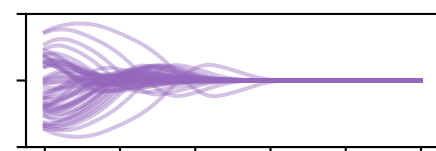
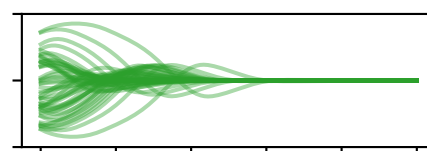
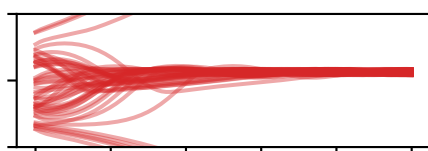
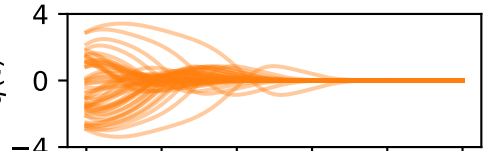
Midpoint

RK4



Position

$q(t)$



Momentum

$p(t)$

