

Computational Physics Project 1: Pendulum

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1 P. hase space of unmodified nonlinear pendulum

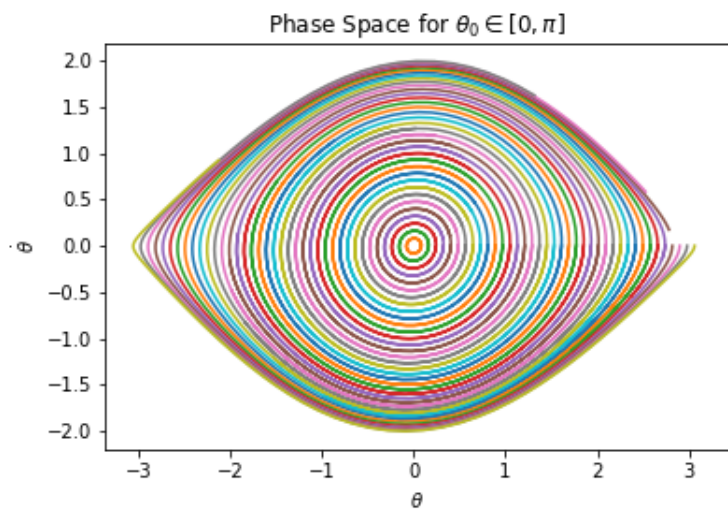


Figure 1: Plots of trajectory $(\theta, \dot{\theta})$, for many values of $\theta_0 \in [0, \pi]$

2 P. hase space of linear pendulum

3 P. endulum with driving force

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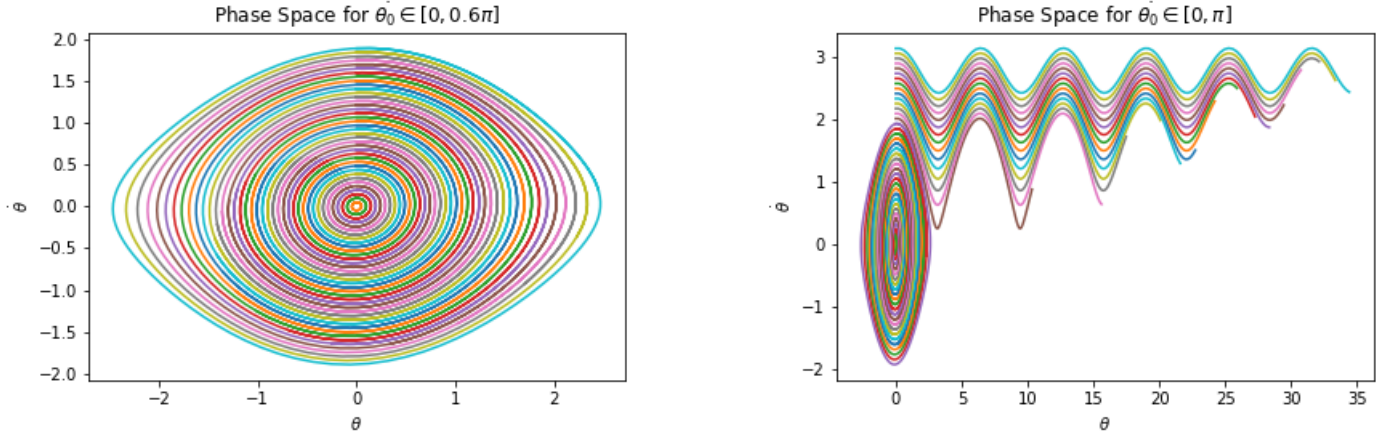


Figure 2: Trajectory for various $\dot{\theta}$

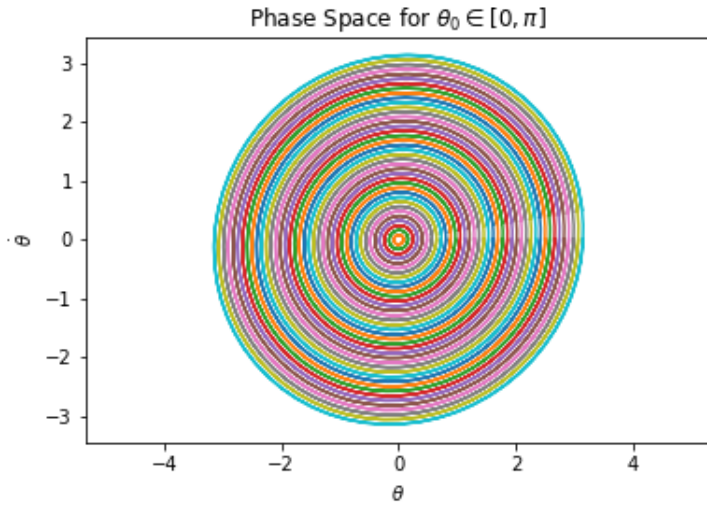


Figure 3: Plots of trajectory $(\theta, \dot{\theta})$, for many values of $\theta_0 \in [0, \pi]$