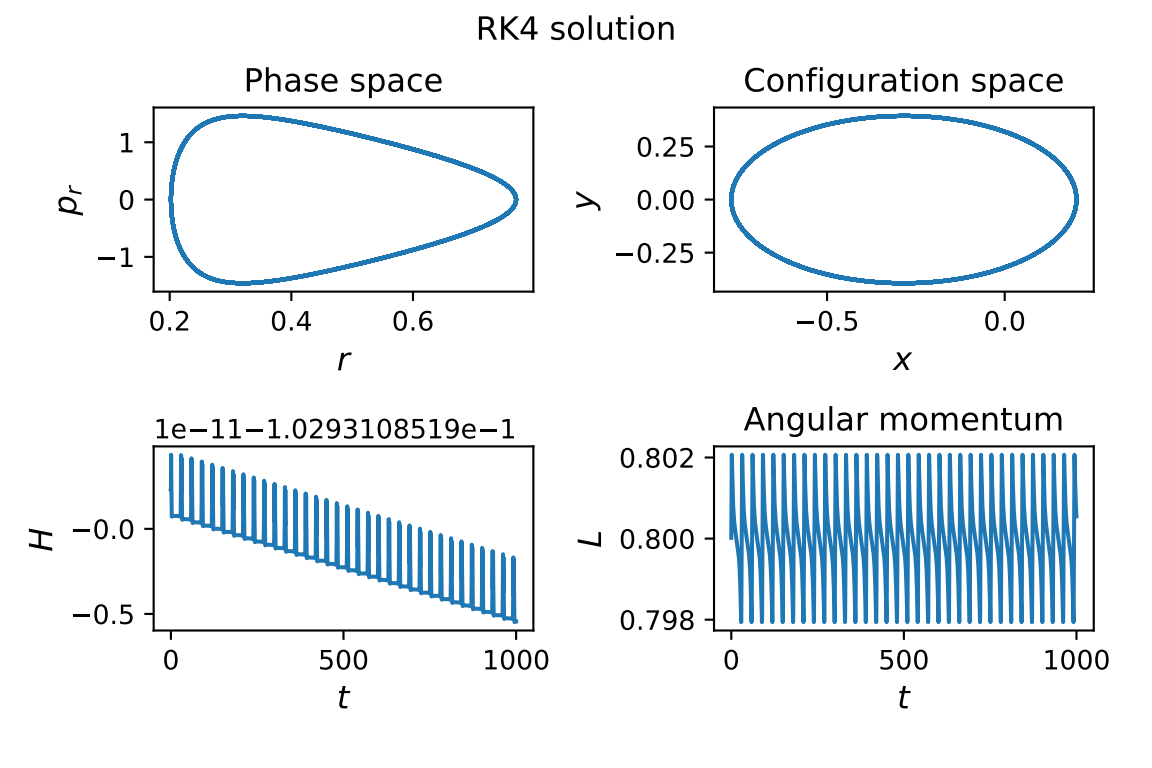
RK4 solution
Phase space
p_r
1
0
−1
0.2
0.4
0.6
r
Configuration space
y
0.25
0.00
−0.25
−0.5
0.0
x
1e−11−1.0293108519e−1
H
−0.0
−0.5
0
500
1000
t
Angular momentum
L
0.802
0.800
0.798
0
500
1000
t