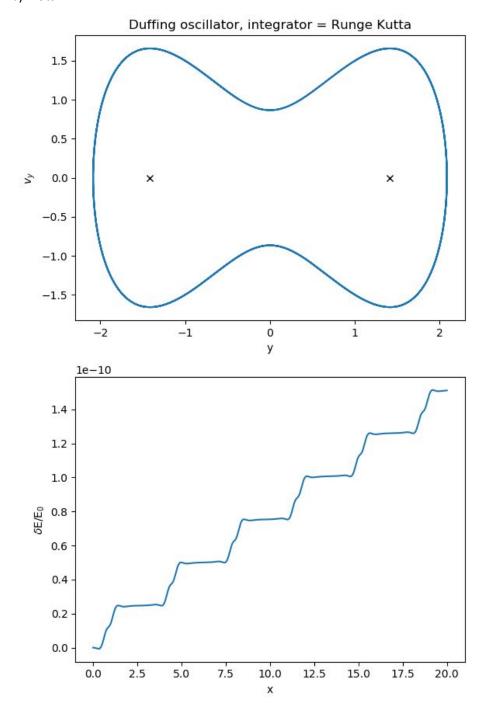
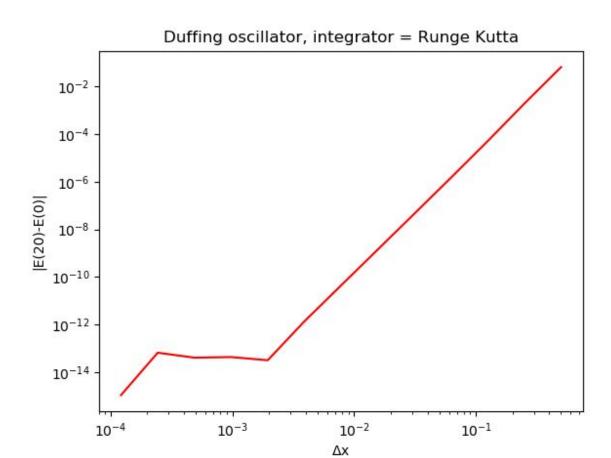
Rachel Buttry PHYS 305 Homework #2

Problem 1

a) See code

b) Plots:

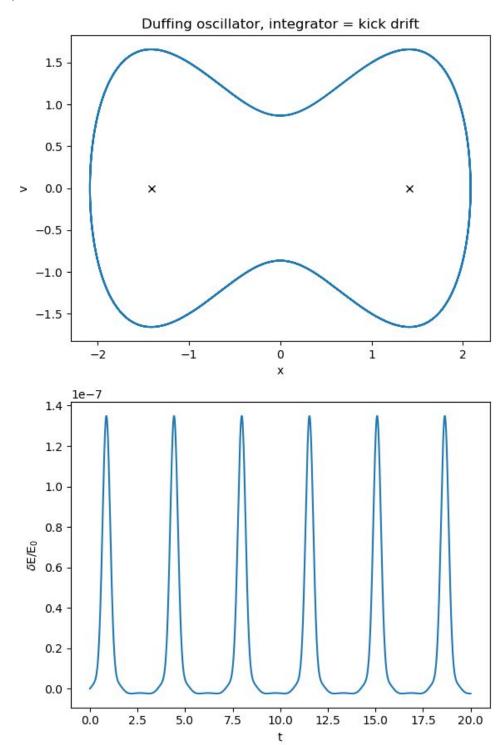




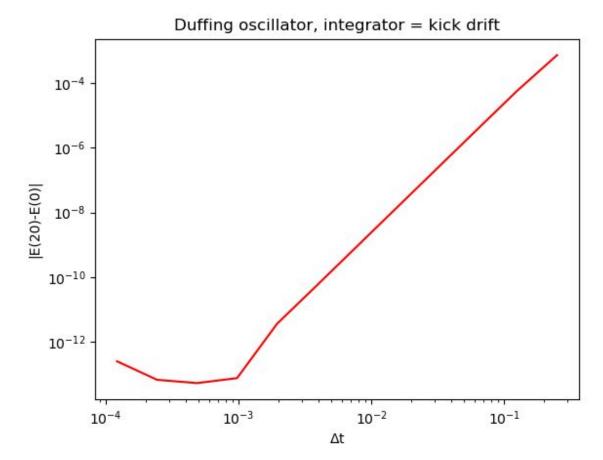
d) The scheme is reversible
After running the integrator backwards, it return to the same initial conditions
Initial Conditions: 0.0 [1. 1.5]
Reverse ending point: 0.0 [1. 1.5]

Problem 2

- a) See code
- b) Plots:



Plot:



d) The Scheme is reversible

After running the integrator backwards, it return to the same initial conditions

Initial Conditions: 0.0 [1. 1.5] Reverse ending point: 0.0 [1. 1.5]