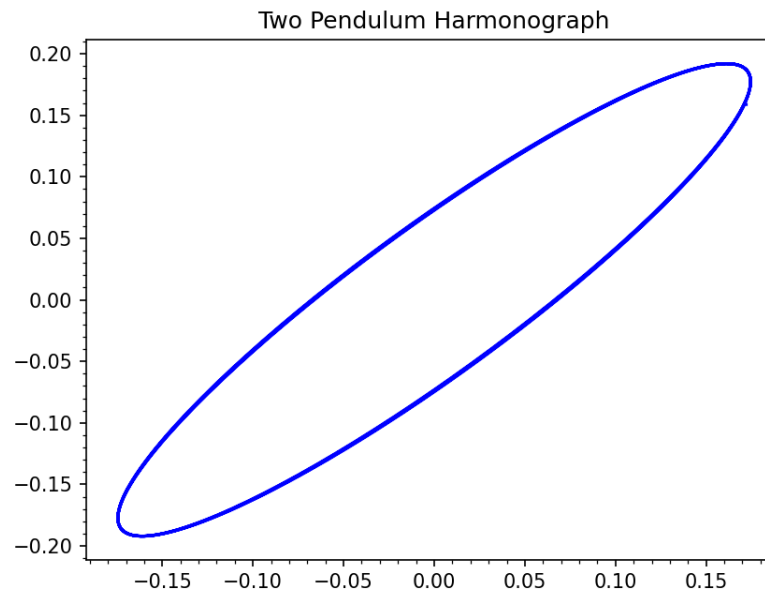


Task 18-01

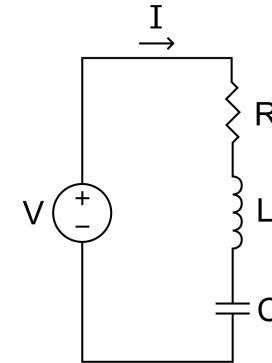
- Edit Cell 2 of **harmonograph.ipynb** to reproduce this ellipse:



- Upload your solution to the BNL QIS101 SharePoint site

Task 18-02

- Create a Jupyter Lab notebook file called **rlc_circuit.ipynb**
- Your code should plot the current over time flowing through an RLC circuit that maintains a constant DC voltage
- Use SciPy to estimate this 2nd order homogenous ODE out to 1 second in duration using these values
- Upload your solution to the BNL QIS101 SharePoint site



→
 $R = 0.1$ Ohms
 $L = 0.01$ Henries
 $C = 0.01$ Farads
Initial $I = 1$ Amp

Task 18-02

