Phase Plane App
Quick Start Guide

Use the phase plane app to analyze autonomous ODE systems of the form:

$$\frac{dx}{dt} = f(x, y) \qquad \frac{dy}{dt} = g(x, y)$$

3. Explore

Find equilibria from the **Analysis** menu

Draw a solution

Select a different ODE system from the library

Export the phase portrait to an image

2. Solve

Solve by clicking on the field

Delete a solution by right-clicking it

Highlight a solution curve by left-clicking it

1. Define the ODE system

Define the ODE system by entering an expression

Set parameters by entering names and values

Update the slope field by clicking **Update**

4. Tune

Adjust the axis limits

Speed up the animation

Adjust the solver tolerance