

Slope Field App

Quick Start Guide

Use the slope field app to analyze first order ordinary differential equations (ODEs): $\frac{dx}{dt} = f(t, x)$

3. Explore

Show isoclines using the **Analysis** menu

Draw a solution

Select a different ODE from the library

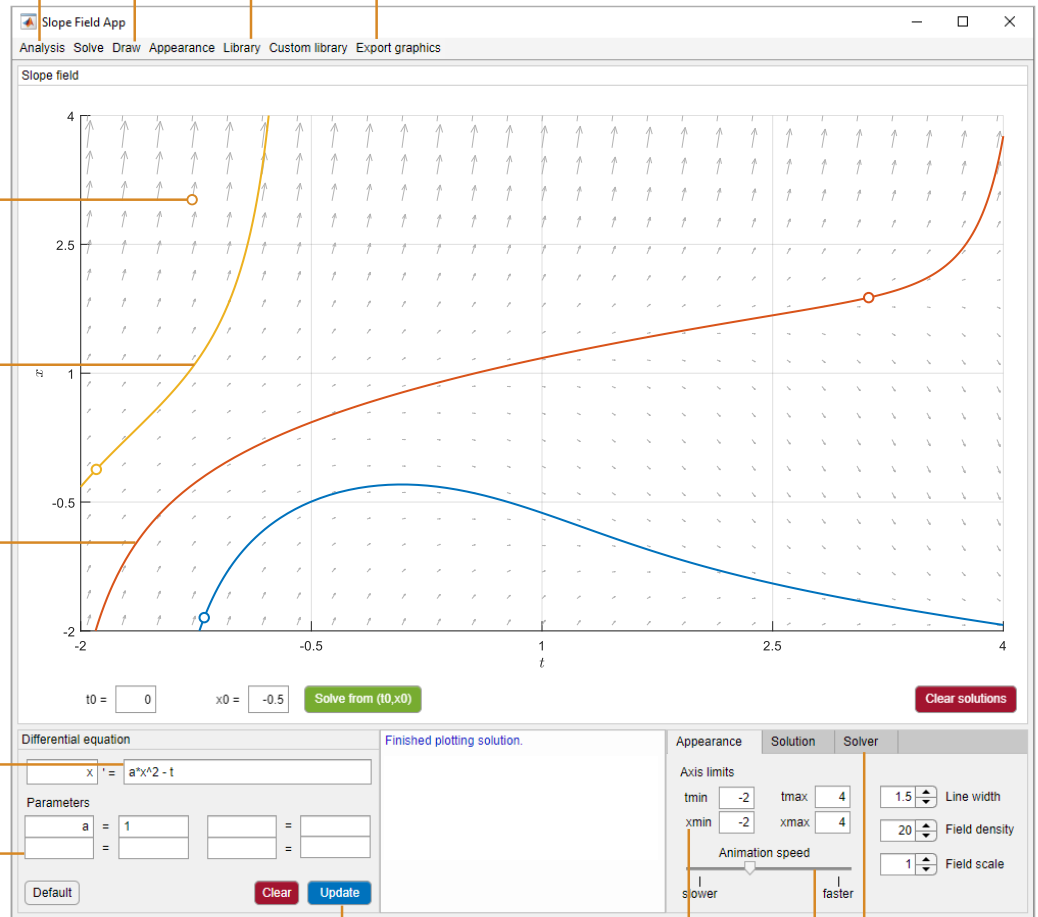
Export the field to an image

2. Solve the ODE

Solve from an initial condition by clicking on the field

Delete a solution by right-clicking it

Highlight a solution curve by left-clicking it



1. Define the ODE

Define the ODE 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

Use a fixed step solver