1. Understanding 3 competing species in an environment

Objectives

- Extend the Lotka–Volterra population model of 2 interacting species to a model for 3 (or more) interacting species.
- Generalize linearization techniques and the Jacobian matrix to higher order systems.
- Use MATLAB and linearization to gain information about higher order nonlinear systems.

Note that starting now, you are being tested. You will not receive feedback as to whether or not your answers are correct, and you will not be able to view solutions. However, collaboration and discussion (without revealing answers) is encouraged.

1. Understanding 3 competing species in an environment

Hide Discussion

Topic: Final project: Applications to nonlinear differential equations / 1. Understanding 3 competing species in an environment

Add a Post

Show all posts ▼ by recent activity ▼

There are no posts in this topic yet.

✖