

Section 7.1: Modeling with Differential Equations

These notes reflect material from our text, *Calculus, Concepts and Contexts, Second Edition*, by James Stewart, published by Brooks/Cole, Pacific Grove, CA, 2001.

Key points from Stewart, Section 7.1: Area of a region bounded by the graphs of two functions.

Concepts

Examples

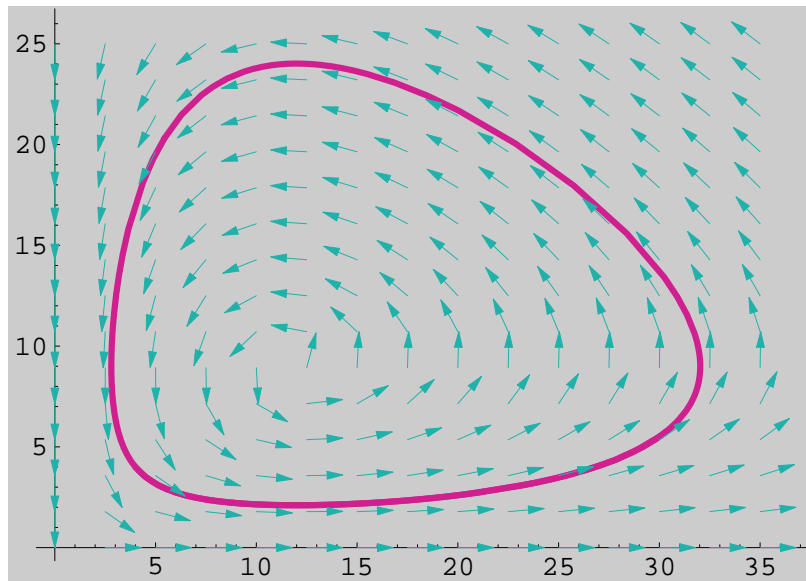


Fig. Cyclic predator-prey system

Exercises

Exercises for Section 7.1, pp 511–512: 1, 2, 5, 6, 7, 8, 9, 11, 14