The Lotka-Volterra Model

Undergraduate Math Club
CORNELL UNIVERSITY

SPEAKER

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ABSTRACT

The Lotka-Volterra model is a dynamical system that is used, for example, to describe predator-prey interactions in ecology. I will talk about the origins of this system, its dynamics, and its generalizations in the context of its real-world applications. Using the model as an example, I will explain some general methods of studying simple dynamical systems.

APR 23 at 4:45pm

Malott 532 ⋆ Refreshments