

# Contents

- [Welcome](#)
  - [Presentation](#)
  - [Softwares](#)
- 

## Tutorials

### Population

- [Introduction](#)

### Structure

- [Spatial Pattern](#)

### Dynamics

#### Density-independent

- [Exponential Growth](#)
- [Environmental Stochasticity](#)
- [Demographic Stochasticity](#)

#### Density-dependent

- [Logistic Model](#)
- [Allee Effect](#)

#### Strutured Population

- [Matrix Model](#)
- [Density-dependent](#)
- [Sensibility e Elasticity](#)

### Metapopulation

- [Introduction](#)

### Single Species

- [Propagule Rain](#)

- [Internal Colonization](#)
- [Rescue Effect](#)

## Two Species

- [Metapopulations Coexistence](#)
- [Habitat Destruction](#)

## Community

- [Introduction](#)

## Estrutura

- [Virtual Community](#)
- [Clustering](#)
- [Ordination](#)

## Dynamics and Disturbances

- [Diversity and Stability](#)
- [Disturbance and Coexistence](#) \* [Classic Tradeoff](#)
- [Ecological Sucession](#)
- [Regeneration Niche](#)

## Dinâmicas Neutras

- [Island Biogeography](#)
- [Neutral Theory of Biodiversity](#)

---

## Mathematics & Statistics

- [Introduction](#)

## Differential and Integral Calculus

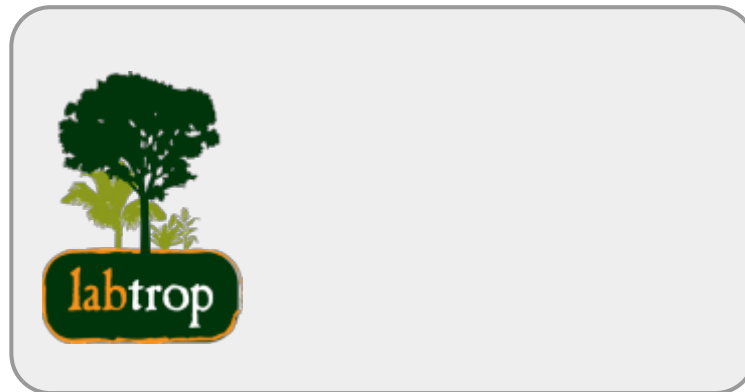
- [Growth rates and Exponential Function](#)
- [Antiderivatives and definite integral](#)
- [Introduction to Differential Equations](#)
- [Numerical Integration of Differential Equations](#)
- [Stability Analysis](#)

## Stochastic Processes

- [Random Walk](#)
- [Zero-sum Dynamics](#)

---

## Links Externos



---

## Visitors

From:

<http://ecovirtual.ib.usp.br/> -

Permanent link:

[http://ecovirtual.ib.usp.br/doku.php?id=en:ecovirt:roteiro:pop\\_str:sidebar&rev=1663255264](http://ecovirtual.ib.usp.br/doku.php?id=en:ecovirt:roteiro:pop_str:sidebar&rev=1663255264) 

Last update: **2022/09/15 12:21**