

Modeling textbooks

List of Mathematical Modeling Textbooks

Any group member can add to this list. Please do!

Entry-level modeling

Individual & Agent-Based Modeling: A Practical Introduction (Railsback & Grimm)

Statistics

The Analysis of Biological Data (Whitlock and Schluter)

Applied calculus

Mathematics for the Life Sciences (Bodine, Lenhart, & Gross)

Collection link to calculus books and resources ([link](#))

ODE

Elementary Differential Equations and Boundary Value Problems (Boyce & [DiPrima](#))

Modeling Differential Equations in Biology (Taubes)

Mathematical Models in Population Biology and Epidemiology (Castillo-Chavez & Brauer)

Mathematical modeling for research

Modelling Disease Ecology with Mathematics (Robert Smith?)

Elements of Mathematical Ecology (Kot)