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Sommario/riassunto

"With an emphasis on Maple applications to showcase graphical and numerical techniques, this book investigates and analyzes the behavior of solutions of mathematical models and also features interesting linear and nonlinear models from diverse disciplines, such as biology, ecology, and environment. It utilizes difference equations, matrix algebra, and Markov chains as the main mathematical tools. It is an ideal book for students of mathematical biology, theoretical ecology, bioeconomics, forensic science, applied mathematics, and environmental science"--

"This book focuses on mathematical models in biology and utilizes difference equations, matrix algebra, and Markov chains as the main mathematical tools. In addition, Maple, a computer algebra system, as well as cooperative learning initiatives are integrated"--
