

A course in mathematical biology: quantitative modeling with mathematical and computational methods

Vries, Gerda de, author

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Abstrak

The field of mathematical biology is growing rapidly. Questions about infectious diseases, heart attacks, cell signaling, cell movement, ecology, environmental changes, and genomics are now being analyzed using mathematical and computational methods. *A Course in Mathematical Biology: Quantitative Modeling with Mathematical and Computational Methods* is the only book that teaches all aspects of modern mathematical modeling and that is specifically designed to introduce undergraduate students to problem solving in the context of biology.