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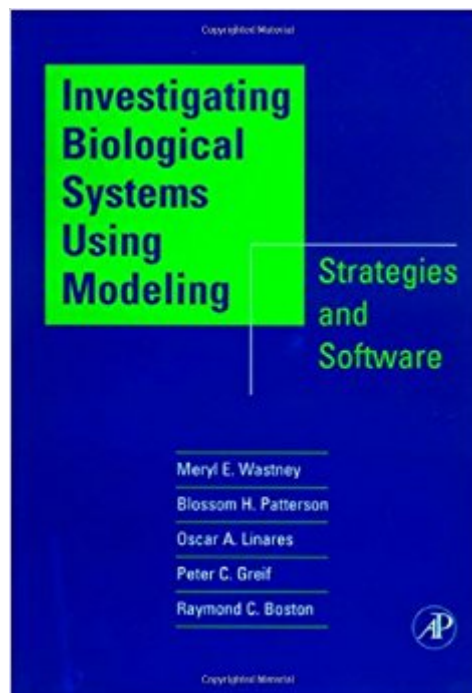
Investigating Biological Systems Using Modeling: Strategies And Software

Investigating Biological Systems Using Modeling

Strategies and Software

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Synopsis

Investigating Biological Systems Using Modeling describes how to apply software to analyze and interpret data from biological systems. It is written for students and investigators in lay person's terms, and will be a useful reference book and textbook on mathematical modeling in the design and interpretation of kinetic studies of biological systems. It describes the mathematical techniques of modeling and kinetic theory, and focuses on practical examples of analyzing data. The book also uses examples from the fields of physiology, biochemistry, nutrition, agriculture, pharmacology, and medicine.Contains practical descriptions of how to analyze kinetic dataProvides examples of how to develop and use modelsDescribes several software packages including SAAM/CONSAMIncludes software with working models

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Customer Reviews

This book discusses in a hands-on approach how to use mathematical modeling to investigate biological systems. It is written for students and investigators in lay person terms. Examples are used from the fields of physiology, biochemistry, nutrition, agriculture, pharmacology, and medicine.Key Features:* Contains practical descriptions of how to analyze kinetic data* Provides examples of how to develop and use models* Describes several software packages including SAAM/CONSAM* Includes software with working models

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