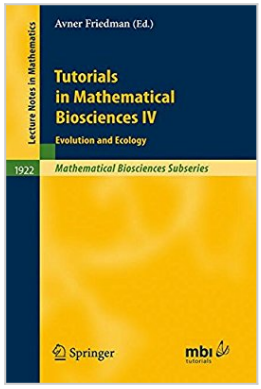

Tutorials in Mathematical Biosciences IV: Evolution and Ecology (Lecture Notes in Mathematics)

From Brand: Springer

Tutorials in Mathematical Biosciences IV: Evolution and Ecology (Lecture Notes in Mathematics) From Brand: Springer

This book offers an introduction to fast growing research areas in evolution of species, population genetics, ecological models, and population dynamics. It reviews the concept and methodologies of phylogenetic trees, introduces ecological models, examines a broad range of ongoing research in population dynamics, and deals with gene frequencies under the action of migration and selection. The book features computational schemes, illustrations, and mathematical theorems.

Tutorials in Mathematical Biosciences IV: Evolution and Ecology (Lecture Notes in Mathematics)

From Brand: Springer

Tutorials in Mathematical Biosciences IV: Evolution and Ecology (Lecture Notes in Mathematics)
From Brand: Springer

This book offers an introduction to fast growing research areas in evolution of species, population genetics, ecological models, and population dynamics. It reviews the concept and methodologies of phylogenetic trees, introduces ecological models, examines a broad range of ongoing research in population dynamics, and deals with gene frequencies under the action of migration and selection. The book features computational schemes, illustrations, and mathematical theorems.

Tutorials in Mathematical Biosciences IV: Evolution and Ecology (Lecture Notes in Mathematics) From Brand: Springer Bibliography

- Sales Rank: #4851623 in Books
- Brand: Brand: Springer
- Published on: 2010-06-02
- Released on: 2010-06-02
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .50" w x 6.10" l, 1.10 pounds
- Binding: Paperback
- 210 pages

Editorial Review

From the Back Cover

The book offers an easy introduction to fast growing research areas in evolution of species, population genetics, ecological models, and population dynamics. The first two chapters review the concept and methodologies of phylogenetic trees; computational schemes and illustrations are given, including applications such as tracing the origin of SARS and influenza. The third chapter introduces the reader to ecological models, including predator-prey models. This chapter includes and introduction to reaction-diffusion equations, which are used to analyze the ecological models. The next chapter reviews a broad range of ongoing research in population dynamics, including evolution of dispersal models; it also features interesting mathematical theorems and lists open problems. The final chapter deals with gene frequencies under the action of migration and selection. The book is addressed to readers at the level of grad students and researchers. A background in PDEs is provided.

Users Review

From reader reviews:

Pamela Steele:

Throughout other case, little individuals like to read book Tutorials in Mathematical Biosciences IV: Evolution and Ecology (Lecture Notes in Mathematics). You can choose the best book if you love reading a book. Given that we know about how is important some sort of book Tutorials in Mathematical Biosciences IV: Evolution and Ecology (Lecture Notes in Mathematics). You can add expertise and of course you can around the world by just a book. Absolutely right, simply because from book you can learn everything! From your country right up until foreign or abroad you will find yourself known. About simple matter until wonderful thing it is possible to know that. In this era, we can easily open a book or searching by internet product. It is called e-book. You may use it when you feel bored stiff to go to the library. Let's examine.

William Martin:

Nowadays reading books be than want or need but also be a life style. This reading behavior give you lot of advantages. Advantages you got of course the knowledge your information inside the book that improve your knowledge and information. The knowledge you get based on what kind of e-book you read, if you want have more knowledge just go with education and learning books but if you want truly feel happy read one along with theme for entertaining for instance comic or novel. Often the Tutorials in Mathematical Biosciences IV: Evolution and Ecology (Lecture Notes in Mathematics) is kind of book which is giving the reader unforeseen experience.

Gary Copeland:

Spent a free time and energy to be fun activity to complete! A lot of people spent their spare time with their family, or their particular friends. Usually they performing activity like watching television, likely to beach, or picnic inside the park. They actually doing same every week. Do you feel it? Do you need to something different to fill your own personal free time/ holiday? May be reading a book may be option to fill your free time/ holiday. The first thing that you'll ask may be what kinds of e-book that you should read. If you want to try out look for book, may be the publication untitled Tutorials in Mathematical Biosciences IV: Evolution and Ecology (Lecture Notes in Mathematics) can be very good book to read. May be it may be best activity to you.

Joyce Jiminez:

Are you kind of stressful person, only have 10 or maybe 15 minute in your moment to upgrading your mind proficiency or thinking skill even analytical thinking? Then you are receiving problem with the book compared to can satisfy your limited time to read it because this all time you only find reserve that need more time to be study. Tutorials in Mathematical Biosciences IV: Evolution and Ecology (Lecture Notes in Mathematics) can be your answer as it can be read by anyone who have those short spare time problems.

Read Tutorials in Mathematical Biosciences IV: Evolution and Ecology (Lecture Notes in Mathematics) From Brand: Springer for online ebook

Tutorials in Mathematical Biosciences IV: Evolution and Ecology (Lecture Notes in Mathematics) From Brand: Springer Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Tutorials in Mathematical Biosciences IV: Evolution and Ecology (Lecture Notes in Mathematics) From Brand: Springer books to read online.

Online Tutorials in Mathematical Biosciences IV: Evolution and Ecology (Lecture Notes in Mathematics) From Brand: Springer ebook PDF download

Tutorials in Mathematical Biosciences IV: Evolution and Ecology (Lecture Notes in Mathematics) From Brand: Springer Doc

Tutorials in Mathematical Biosciences IV: Evolution and Ecology (Lecture Notes in Mathematics) From Brand: Springer Mobipocket

Tutorials in Mathematical Biosciences IV: Evolution and Ecology (Lecture Notes in Mathematics) From Brand: Springer EPub