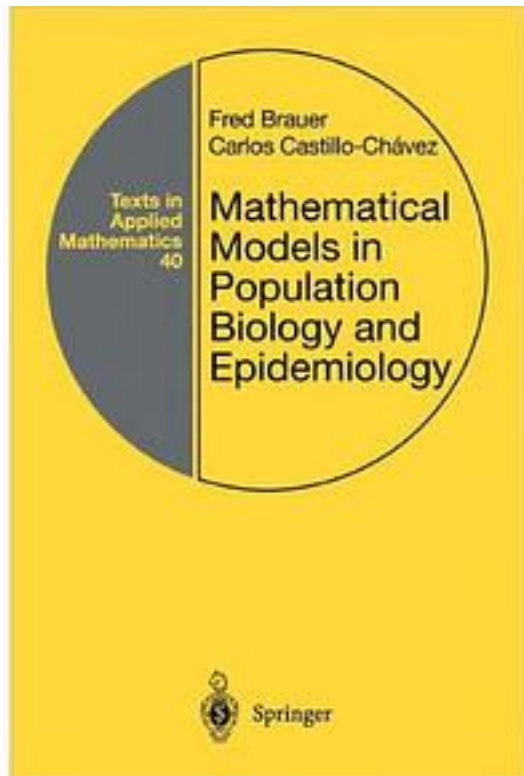


Mathematical Models in Population Biology and Epidemiology



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出版者: Springer Verlag

出版时间: 2001-3

装帧: HRD

isbn: 9780387989020

The goal of this book is to search for a balance between simple and analyzable models and unsolvable models which are capable of addressing important questions on population biology. Part I focusses on single species simple models including those which have been used to predict the growth of human and animal population in the past. Single population models are, in some sense, the building blocks of more realistic models -- the subject of Part II. Their role is fundamental to the study of

ecological and demographic processes including the role of population structure and spatial heterogeneity -- the subject of Part III. This book, which will include both examples and exercises, is of use to practitioners, graduate students, and scientists working in the field.

作者介绍:

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标签

Mathematics

生物

数学

Modeling

MathematicalBiology

Math

Epidemiology

Biology

评论

前几天给这次肺炎数据调参的时候，
EI的传递系数怎么都调不对。原来是地方政府隐瞒不报，坑爹啊...
SEIR模型还是很有意思的，能用来玩很多东西。这种compartmental

modeling的思路扩展一下，用处很广泛。这本书偏数学原理。

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书评

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