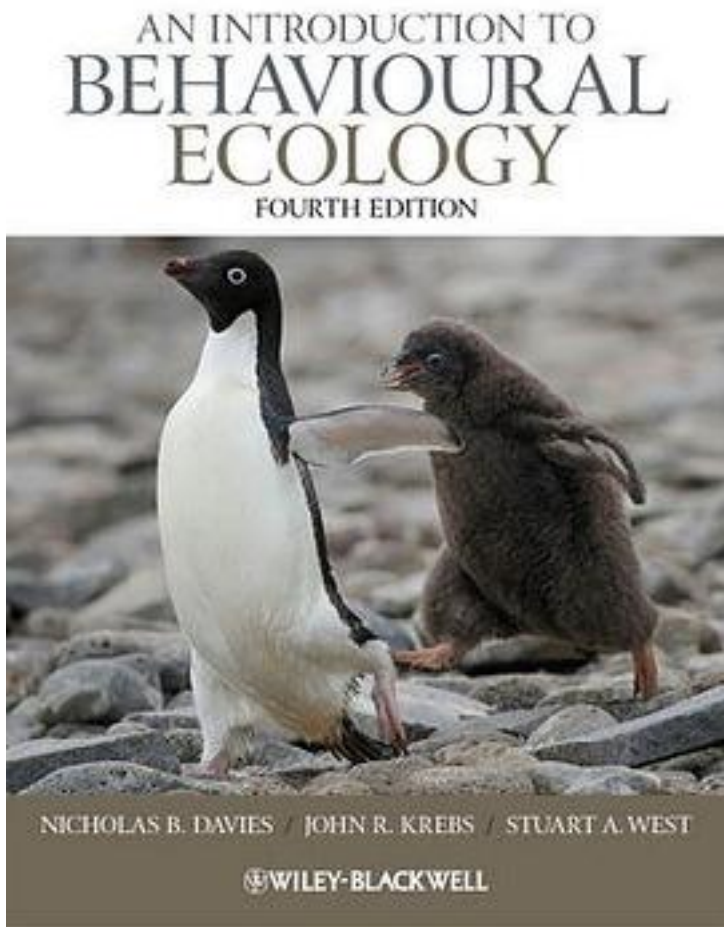


# An Introduction to Behavioural Ecology (Fourth Edition)



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著者:Nicholas B. Davies

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This textbook helped to define the field of Behavioural Ecology. In this fourth edition

the text has been completely revised, with new chapters and many new illustrations and full colour photographs. The theme, once again, is the influence of natural selection on behaviour – an animal's struggle to survive and reproduce by exploiting and competing for resources, avoiding predators, selecting mates and caring for offspring, – and how animal societies reflect both cooperation and conflict among individuals.

Stuart A. West has joined as a co-author bringing his own perspectives and work on microbial systems into the book.

Written in the same engaging and lucid style as the previous editions, the authors explain the latest theoretical ideas using examples from micro-organisms, invertebrates and vertebrates. There are boxed sections for some topics and marginal notes help guide the reader. The book is essential reading for students of behavioural ecology, animal behaviour and evolutionary biology.

作者介绍:

Nicholas B. Davies FRS is Professor of Behavioural Ecology in the Department of Zoology at the University of Cambridge and a Fellow of Pembroke College.

John R. Krebs FRS is Principal of Jesus College and Professor in the Department of Zoology at the University of Oxford, and a member of the House of Lords.

Stuart West is Professor of Evolutionary Biology in the Department of Zoology at the University of Oxford.

目录: Chapter 1. Natural Selection, Ecology and Behaviour.  
Chapter 2. Testing Hypotheses in Behavioural Ecology.  
Chapter 3. Economic Decisions and the Individual.  
Chapter 4. Predators versus Prey: Evolutionary Arms Races.  
Chapter 5. Competing for Resources.  
Chapter 6. Living in Groups.  
Chapter 7. Sexual Selection, Sperm Competition and Sexual Conflict.  
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## 标签

行为

生物学

生物

动物行为学

科普

生物物理

生态学

教材

## 评论

这本书作为BE领域最好的入门级教科书大概没有什么悬念。全面（涵盖了BE几乎所有的分支，niche construction和life history theory的遗漏可能是因为它们更多地归到EE门下，虽然个人认为这种归类没什么必要）、行文清晰简洁、有大量精彩的实例（当然也有极少数不那么令人满意的）。不过，正如书名所昭示的，书中所有章节的处理都只是浅尝辄止（这应该也是为什么它没有怎么用到数学的原因），所以，如果想更深入地了解某个主题，读者还得循着其所提供的推荐阅读和参考文献，或其它来源的信息进一步发掘。另外，近年来该领域有些基础性的东西（如性选择和亲缘选择）受到了不同程度的挑战。作为教材，该书可以理解地仍然采用传统的手法处理这些问题（当然作者本身也比较传统），有兴趣的话可以通过别的渠道了解。

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