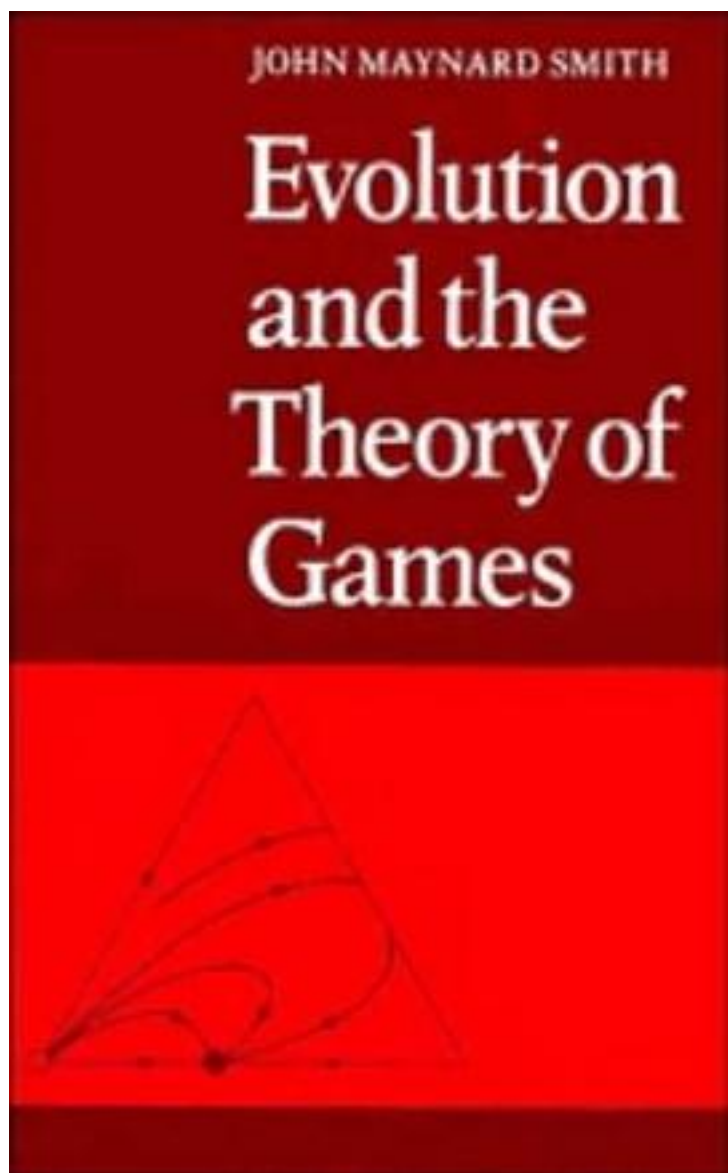


# Evolution and the Theory of Games



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著者:John Maynard Smith

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Professor John Maynard Smith has written an account of a new way of thinking about evolution which has been developed in the last ten years. The theory of games, first developed to analyse economic behaviour, is modified so that it can be applied to evolving populations. John Maynard Smith's concept of an evolutionarily stable strategy is relevant whenever the best thing for an animal or plant to do depends on what others are doing. The theory leads to testable predictions about the evolution of behaviour, of sex and genetic systems, and of growth and life history patterns. This book contains the first full account of the theory, and of the data relevant to it. The account is aimed at senior undergraduate and graduate students, teachers and research workers in animal behaviour, population genetics and evolutionary biology. The book will also be of interest to mathematicians and game theorists; the mathematics has been largely confined to appendixes so that the main text may be easily followed by biologists.

作者介绍:

约翰·梅纳德·史密斯 (John Maynard Smith, 1920—2004)，英国苏塞克斯大学 (University of Sussex) 教授，演化博弈论之父。曾获得多项国际荣誉，包括1986年达尔文奖章 (Darwin Medal)、1991年意大利巴仁奖 (Balzan Prize)、1995年林奈奖章 (Linnean Medal)、1999年科普利奖章 (Copley Medal) 和克雷福德生物科学奖 (The Crafoord Prize) 以及2001年的京都奖 (Kyoto Prize)。其代表作《演化与博弈论》是演化博弈论领域的经典著作。

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标签

博弈论

演化博弈

evolution

GameTheory

Evolution

进化论

进化心理学

计算社会科学

## 评论

看完了中译又把原作看完了

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一点儿小启蒙。大四做presentation的reference。  
那时候觉得相当精彩，可惜我最终还是没能读下去。

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文字表述很吸引人

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This book offers such a powerful approach towards understanding changes and equilibria that it has fundamentally altered the way I think of my life.

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## 书评

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