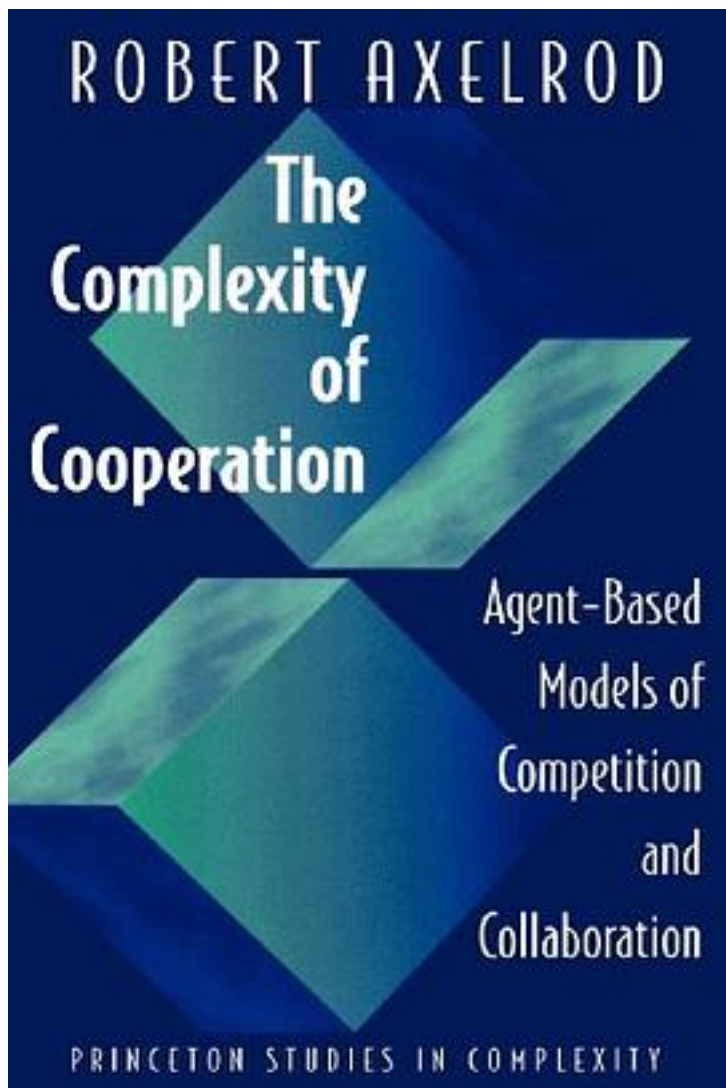


The Complexity of Cooperation



[The Complexity of Cooperation_ 下载链接1](#)

著者:Robert Axelrod

出版者:Princeton University Press

出版时间:1997-8-18

装帧:Paperback

isbn:9780691015675

Robert Axelrod is widely known for his groundbreaking work in game theory and complexity theory. He is a leader in applying computer modeling to social science problems. His book *The Evolution of Cooperation* has been hailed as a seminal contribution and has been translated into eight languages since its initial publication. *The Complexity of Cooperation* is a sequel to that landmark book. It collects seven essays, originally published in a broad range of journals, and adds an extensive new introduction to the collection, along with new prefaces to each essay and a useful new appendix of additional resources. Written in Axelrod's acclaimed, accessible style, this collection serves as an introductory text on complexity theory and computer modeling in the social sciences and as an overview of the current state of the art in the field. The articles move beyond the basic paradigm of the Prisoner's Dilemma to study a rich set of issues, including how to cope with errors in perception or implementation, how norms emerge, and how new political actors and regions of shared culture can develop. They use the shared methodology of agent-based modeling, a powerful technique that specifies the rules of interaction between individuals and uses computer simulation to discover emergent properties of the social system. *The Complexity of Cooperation* is essential reading for all social scientists who are interested in issues of cooperation and complexity

作者介绍:

作者简介

罗伯特·阿克塞尔罗德：密歇根大学政治学与公共政策教授，美国科学院院士，著名的行为分析及博弈专家，主要由于他在博弈论和复杂性理论上的基础性突破而广为人知。阿克塞尔罗德是把计算机模型运用到社会科学问题领域的权威学者。作者受到过来自美国科学促进会、美国政治科学协会、麦克阿瑟基金会以及美国国家科学院的奖励。除本书外，还著有《合作的进化》等著作。

目录:

[The Complexity of Cooperation_下载链接1](#)

标签

心理学

博弈论

science

complexity

经济学

sociology

politics

Finance

评论

引言有用，方法单调

[The Complexity of Cooperation_ 下载链接1](#)

书评

合作的复杂性(The Complexity of Cooperation)
----基于参与者竞争与合作的模型(Agent-based Models of Competition and Collaboration) 本书作者Robert Axelrod由对政治环境和现象的思考引发了对社会学中参与者合作与竞争的研究。本书是该作者另一著作《合作的进化》的延续， ...

这本书的结论，值得我们每个人认真学习： 1.一个重要的事实
现实中存在的各种随机干扰，人们有可能会因为误会而开始相互背叛，即不合作甚至使恶。 2.一个重要的结论
在重复囚徒困境博弈中收益最大化的一报还一报战略的四大特征：
（1）善良（不首先背叛）， （2）宽容（...

七篇论文，七个主题，前三篇是囚徒困境的延伸，后面四篇则是基于囚徒困境问题的研究方法——基于参与者模型——探讨了全新的社会、政治问题。第一篇利用遗产算法证明了一报还一报策略是绝对的最优策略，不存在任何倾向性和先入之见。第二篇介绍了囚徒困境中处理对方“误判” ...

一、本书主要内容及读后感

本书是作者罗伯特·阿克塞尔罗德基于其《合作的进化》中三次囚徒困境计算机建模实验的后续，正文部分包括7章也即作者的7篇paper。

开篇部分包括译者前言和作者导论对三次实验进行了分析和解说：试验表明基于善良、宽恕和不嫉妒的“一报还一报”策略...

[The Complexity of Cooperation_下载链接1_](#)