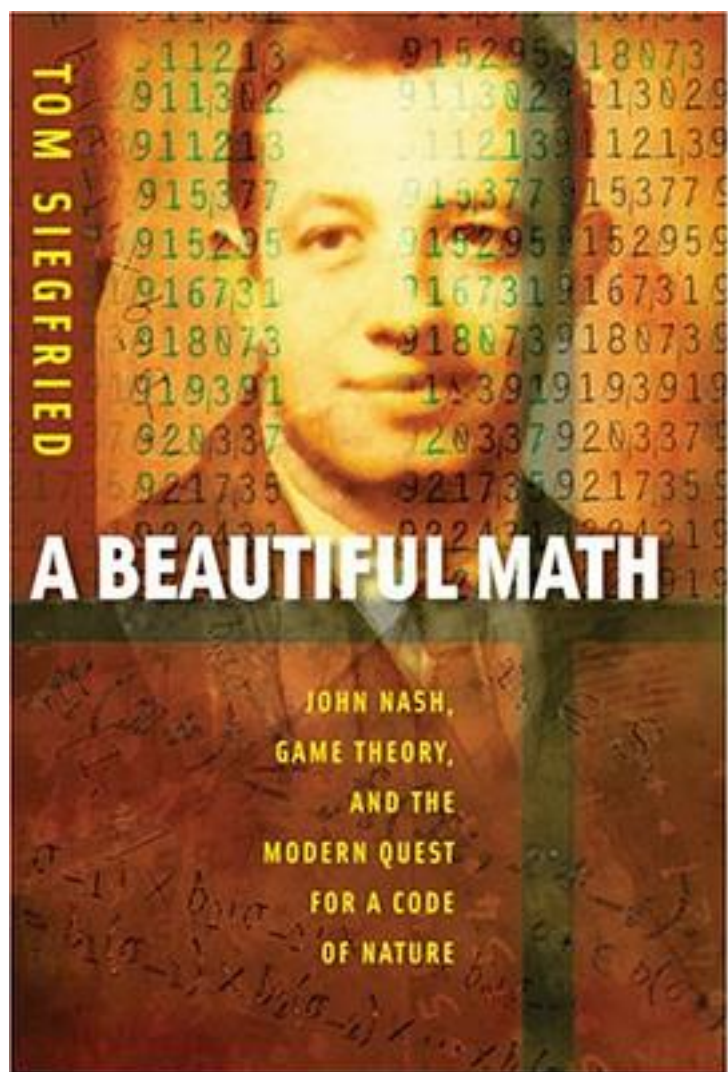


A Beautiful Math



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著者:Tom Siegfried

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Millions have seen the movie and thousands have read the book but few have fully appreciated the mathematics developed by John Nash's beautiful mind. Today Nash's beautiful math has become a universal language for research in the social sciences and has infiltrated the realms of evolutionary biology, neuroscience, and even quantum physics. John Nash won the 1994 Nobel Prize in economics for pioneering research published in the 1950s on a new branch of mathematics known as game theory. At the time of Nash's early work, game theory was briefly popular among some mathematicians and Cold War analysts. But it remained obscure until the 1970s when evolutionary biologists began applying it to their work. In the 1980s economists began to embrace game theory. Since then it has found an ever expanding repertoire of applications among a wide range of scientific disciplines. Today neuroscientists peer into game players' brains, anthropologists play games with people from primitive cultures, biologists use games to explain the evolution of human language, and mathematicians exploit games to better understand social networks. A common thread connecting much of this research is its relevance to the ancient quest for a science of human social behavior, or "a Code of Nature," in the spirit of the fictional science of psychohistory described in the famous Foundation novels by the late Isaac Asimov. In *A Beautiful Math*, acclaimed science writer Tom Siegfried describes how game theory links the life sciences, social sciences, and physical sciences in a way that may bring Asimov's dream closer to reality.

作者介绍:

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标签

数学

博弈論

传记

John_Nash

科普

math

设计

美國

评论

同样写Nash，Nasar和Siegfried能拿来卖钱，我鸡只能拿来卖逼，还卖不上个好价钱——难道title要冠以“人人网著名意领、豆瓣首页红人、中国华侨出版社签约作家”之名？

略简陋……

博弈论发展史呀。。。

整本书把所有博弈论有关的学科全部扯到了，虽然浅显，但是作为科普读物，必须给作者点赞啊。最后一部分最精彩，将量子计算、概率学和博弈论结合起来讨论。

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书评

最近几天一直在读一部数学方面的书。a beautiful math。主要讲的是nash的 game theory及其影响。Game Theory其实国内都多多少少听说过，但通常的介绍也就到囚徒困境而已。这部书的写法更像是一部科技和文化史。它上到亚当斯密，达尔文，牛顿，maxwell，高斯，下到...

作者给每个章节都起了个宏大的名字，使你时刻做着思维被颠覆的准备，但真正读过之后会发现作者所说的实际上都是你知道的，而且根本也没切中要害。整本书给人一种“

入宝山空手而归” 的感觉，不过空手而归的首先是作者，自然然后是读者。

这本书基本是论述了博弈论的发展历史，让读者知道博弈论是怎么来的，又是怎么发展的，简单的说了说会用到哪些地方。讲了几个科学实验，但是没有具体的博弈论的理论内容，作为博弈论的入门足够了，不难读的译著，这一点比较好。

还没忍住翻了这本《纳什均衡与博弈论》

“用博弈论涵盖所有的文化多样性乍看之下前景黯淡，尤其在最基本的博弈论中，社会科学的元素似乎消失了。然而人并不是传统博弈理论中只顾私利的理性个体，他们在博弈中的选择带有感情色彩。社会也发展出截然不同的集体行为文化模式，没...

这本书没有什么让人特别耳目一新的论点，也不准备在前瞻性方面作出什么贡献，但是作为一本科普书，无疑是优秀的。我学习过博弈论导论，粗粗涉猎过计算机科学，受过经济学科班训练，也对物理有一些兴趣，这本书找到这些领域的内在联系，意图用博弈论来联合这些科学。我不是大牛...

本来以为这是一本经济学读物，读着读着觉得这是一本社科读物啊哈，就没讲多少经济学的知识，反而更多的是博弈论跟生物学还有物理学之间的联系，前面几张是跟生物进化，到后面跟物理的分子原子还有量子力学那边的，可是又没有详细介绍，对于没有这方面物理知识的人来说，要理解...

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