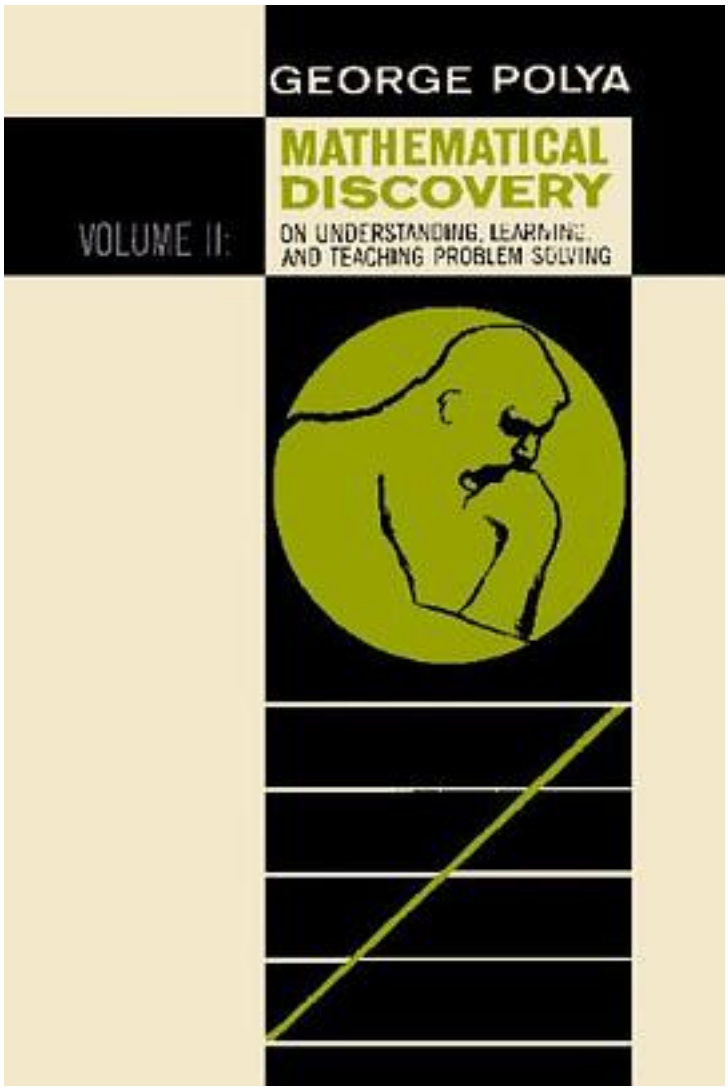
# Mathematical Discovery on Understanding, Learning, and Teaching Problem Solving, Volume II




Mathematical Discovery on Understanding, Learning, and Teaching Problem Solving, Volume II_下载链接1_

著者:George Polya

出版者:Ishi Press

出版时间:2009-7-7

装帧:Paperback

isbn:9784871878326

"Solving problems," writes Polya, "is a practical art, like swimming, or skiing, or playing the piano: You can learn it only by imitation and practice. This book cannot offer you a magic key that opens all the doors and solves all the problems, but it offers you good examples for imitation and many opportunities for practice: If you wish to learn swimming you have to go into the water and if you wish to become a problem solver you have to solve problems." "In enough cases to allay . . . discouragement over not immediately discovering a solution, Professor Polya masterfully leads the reader down several unproductive paths. At the end of each chapter he provides examples for the render to solve. By means of these carefully selected and arranged problems, many of them directly related to others that precede, and guided by just the right suggestions at just the proper time, the reader's own ability is developed and extended. Solutions to the examples and, in many cases, outlines of procedures for discovering solutions. arc given at the back of the book. With striking promise for effectiveness, the entire book as a unit is one great experience in learning processes for problem solving through participation. The author has captured with great success the implication of his basic premise stated in the preface ..." The Mathematics Teacher

作者介绍:

《怎样解题》的作者

目录:

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## 标签

数学

mathematics

Math

英文原版

经典

思维

MATH

## 评论

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## 书评

第14章 关于学、教和学教
那些曾使你不得不亲自动手发现了的东西，会在你脑中留下一条途径，一旦有所需要，你就可以重新运用它。-李希坦伯格《格言》
人的认识从感觉开始，再从感觉上升到概念，最后形成思想。-康德《纯粹理性批判》1978年英文版 我（打算）把初学者学习的那...

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我差点想去复印图书馆的老书了。谢谢科学出版社。
刚拿到书，封面的颜色很难看。两本变成一本使得书有点厚，不好。
还是喜欢合情推理的那套的厚度。 又可以重温经典了。高兴。

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习惯了国内数学书作者炫技一般的写作，说一句话故意不说三句，让读者自己推理的恶心模式之后，偶然看陶轩哲的教你学数学，对于他每个细节都说的清清楚楚的方式相当诧异，据说陶是目前在世的思维能力最强的数学家，他说话难道不是应该让别说普通人，甚至普通数学家都云里雾里的...

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这是一本只看前几页而根本无需看后续内容就可以给出五星的书。摘要两句：
“译者的话”第一页最后一段：“任何学问都包括知识的积累和能力的训练两个方面，按作者的看法，在数学上，能力的训练比起单纯的知识的积累要重要的多”；第二页第

一段：“作者把解题看做是人类的最富有...

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对数学之美有了一个新的体会！虽然只是讲如何解题这样的东西，尤其是例子是高中的，不过其中思路倒是很受益，所谓升学辅导书的题型跟他比起来弱爆了。笔记做在本上了，就不从中找什么名句了。跟作者一样，我也喜欢笛卡尔，即使我不喜欢笛卡尔万能方法

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