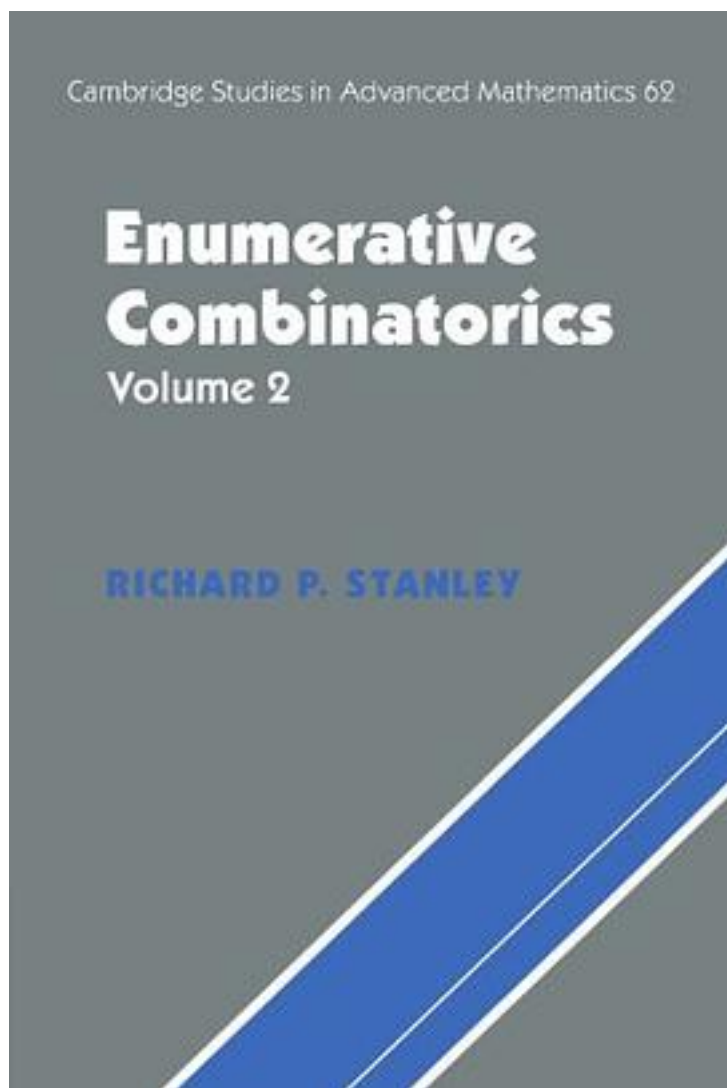


Enumerative Combinatorics, Volume 2



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This second volume of a two-volume basic introduction to enumerative combinatorics covers the composition of generating functions, trees, algebraic generating functions, D-finite generating functions, noncommutative generating functions, and symmetric functions. The chapter on symmetric functions provides the only available treatment of this subject suitable for an introductory graduate course on combinatorics, and includes the important Robinson-Schensted-Knuth algorithm. Also covered are connections between symmetric functions and representation theory. An appendix by Sergey Fomin covers some deeper aspects of symmetric function theory, including jeu de taquin and the Littlewood-Richardson rule. As in Volume 1, the exercises play a vital role in developing the material. There are over 250 exercises, all with solutions or references to solutions, many of which concern previously unpublished results. Graduate students and research mathematicians who wish to apply combinatorics to their work will find this an authoritative reference.

作者介绍:

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标签

Combinatorics

数学

组合数学

Richard_Stanley

计算机科学

经典

combinatorics

Stanley

评论

这两本Stanley的书就是bible.

非常详细透彻的组合学

麻省组合大师 Stanley 的名著。个人认为，第二卷最后一章“对称函数”才是两卷书中最亮的部分。当然毫无疑问，太难了。

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书评

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