

<<数论概论>>

图书基本信息

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## &lt;&lt;数论概论&gt;&gt;

## 内容概要

《数论概论(英文版.第4版)》面向非数学专业学生,讲述了有关数论的知识,教给他们如何用数学方法思考问题,同时介绍了目前数论研究的某些前沿课题。本书采用轻松的写作风格,引领读者进入美妙的数论世界,不断激发读者的好奇心,并通过一些精心设计的练习来培养读者的探索精神与创新能力。对于定理的证明,则强调证明方法而不仅仅是得到特定的结果。

与第3版相比,本版的具体更新如下:  
新增一章,详细介绍数学归纳法(第26章)。

前言部分给出了各章之间依赖关系的流程图,便于读者选择阅读。

调整了内容的组织结构,将反证法的相关材料前移至第8章,原根的相关章节移至二次互反律与平方和之后,上一版第47~50章的内容移至网上。

给出了二次互反律的完整证明,以及雅可比符号二次互反律的部分证明。

更新了书中的实例及章后练习题。

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### 作者简介

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拥有哈佛大学博士学位。

他目前为布朗大学数学教授，之前曾任教于麻省理工学院和波士顿大学。

1998年，他获得了美国数学会Steele奖的著述奖，获奖著作作为《The Arithmetic of Elliptic Curves》和《Advanced Topics in the Arithmetic of Elliptic Curves》。

他的研究兴趣是数论、椭圆曲线和密码学等。

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