

<<域论>>

图书基本信息

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作者：罗曼

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内容概要

《域论(第2版)(英文版)》是一部研究生水平的域论的入门书籍。每节后面都有不少练习，使得本书既是一本很好的教程，也是一本不错的参考书。本书从头开始阐述了域基本理论，如果具备本科生水平的抽象代数知识将对学习本书具有很大的帮助。

本书是第二版，作者基于第一版及在运用第一版在教学过程中的经验，又将本书中的基本内容进行了改进。增加了新的练习和新的一章从历史展望角度讲述了 Galois 理论，通书不断涌现新话题，包括代数基本理论的证明、不可约情形的讨论、 Z_p 上多项式因式分解的 Berlekamp 代数等。

目次：基础；（第一部分）域扩展：多项式；域扩展；嵌入和可分性；代数独立性；（第二部分）Galois 理论，历史回顾；Galois 理论，理论；Galois 理论，多项式的 Galois 群；域扩展作为向量空间；有限域，基本性质；有限域，附加性质；单位根；循环扩张；可解性扩张；（第三部分）二项式；二项式族。

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