<<华罗庚文集 代数卷 II>>

图书基本信息

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内容概要

本书汇集了华罗庚先生1930—1952年关于代数和矩阵几何的代表性论文22篇，以及万哲先关于华罗庚在代数和几何领域成就的一篇介绍文章。

华罗庚的论文内容深刻，技巧性很强，要求的预备知识并不多．本书适合数学专业的研究生和研究人员阅读，大学数学系的高年级学生也能读懂其中大部分内容。

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书籍目录

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章节摘录

版权页：插图：It was first shown in the author's recent investigations on the theory of auto-morphic functions of a matrix-variable that there are three types of geometry playingimportant roles. Besides their applications, the author obtained a great many resultswhich seem to be interesting in themselves.The main object of the paper is to generalize a theorem due to von Staudt, whichis known as the fundamental theorem of the geometry in the complex domain. Thestatement of the theorem is:Every topological transformation of the complex plane into itself, which leavesthe relation of harmonic separation invariant, is either a eollineation or an anti-collineation.Since the fields and groups may be varied, several generalizations of vonStaudt's theorem will be given. The proofs of the theorems have interestingcorollaries.The paper contains also some fundamental results which will be useful in suc-ceeding papers.

编辑推荐

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