

<<Rota-Baxter 代数导论>>

图书基本信息

书名：<<Rota-Baxter 代数导论>>

13位ISBN编号：9787040348248

10位ISBN编号：7040348241

出版时间：2012-8

出版时间：高等教育出版社

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页数：226

字数：300000

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内容概要

Rota-Baxter代数由一个结合代数和—个线性算子组成，该算子满足微积分的分部积分公式中的等式。

Rota-Baxter代数20世纪60年代起源于随机理论。

本世纪以来，Rota-Baxter代数不仅在理论法方面得到了突飞猛进的发展，并且在数学物理、数论、组合等方面得到了广泛的应用。

尽管过去的几十年有很多有关于Rota-Baxter代数的文章，但是还缺乏—本系统介绍Rota-Baxter代数的专著。

《Rota-Baxter代数导论（英文版）》就是第—本介绍该领域的著作，通过大量的例子以及各种应用之间的联系，详细介绍了Rota-Baxter代数，包括它的三个重要方面。

本书可作为代数、组合、数论和数学物理领域的研究生教材或参考书，也可供相关的研究人员参考。

作者郭锂为美国Rutgers大学教授，是Rota-Baxter代数及相关结构近年来进展的主要贡献者之一。

郭锂教授在Notices

of the American Mathematical Society发表的文章WHAT IS a Rota-Baxter Algebra将这个新的研究领域带入了数学公众的视野。

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