

<<Rota-Baxter 代数导论>>

图书基本信息

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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。

作者郭铨为美国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。

郭铨教授在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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