

<<代数及相关领域最新进展>>

图书基本信息

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内容概要

董崇英教授是杰出青年基金（B）的获得者。

他是国际上无限维李代数和顶点算子代数领域最杰出的数学家之一。

本书将介绍代数及领域相关的一些最新研究进展。

具体说来，将讨论具c

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书籍目录

Preface Eiichi Bannai and Etsuko Bannai: Spherical Designs and Euclidean Designs
Yu Chen: Minimal Representation Degree of Affine Kac-Moody Groups
Huah Chu, Shou-Jen Hu and Ming-chang Kang: A Rationality Problem of Certain A_4 Action
Zongduo Dai, Kunpeng Wang and Dingfeng Ye: Characterization of Multi-Continued Fractions for Multi-Formal Laurent Series
Yi Fang and Zongzhu Lin: Eulerian Trails and Hamiltonian Paths in Digraphs with Anti-involutions
Rongquan Feng and Hongfeng Wu: Efficient Pairing Computation on Curves
Wenbin Guo: Some Ideas and Results in Group Theory
Tayuan Huang, Lingling Huang and Miaow-Ing Lin: On a Class of Strongly Regular Designs and Quasi-semisymmetric Designs
Huishi Li: F -Leading Homogeneous Algebras and Gröbner Bases
Jianbo Liu and Kaiming Zhao: Automorphism Groups of Lie Algebras from Quantum Tori
Yucai Su: Quasifinite Representations of Some Lie Algebras Related to the Virasoro Algebra
George Szeto and Lianyong Xue: On Galois Extensions with an Inner Galois Group
Nanhua Xi: Representations of Algebraic Groups: Some Basics and Progresses
Jiping Zhang and Zhikai Zhang: Broué's Conjecture for Finite Groups with Abelian Sylow p -Subgroups
Sujing Zhou and Dongdai Lin: An Interesting Member ID-based Group Signature
Curriculum Vitae and Publications of Zhexian Wan

章节摘录

The purpose of this paper is basically to give a survey on the theory of spherical t -designs and Euclidean t -designs. We will first recall the definitions of spherical t -designs and Euclidean t -designs. We discuss some examples and look at the problem of finding and classifying tight spherical designs and tight Euclidean designs. We plan to discuss the connection with the curvature formulas in numerical analysis on one hand, and the connection with groups and sphere packing problems on the other hand.

2000 Mathematics Subject Classification : primary 05E99 ; secondary 05B99 , 51M99 , 62K99

Keywords : Euclidean designs , spherical designs , tight designs , association schemes , universally optimal codes , Assmus-Mattson type theorem

This paper is an extended version of the talk titled " On Euclidean t -Designs " given by the first author at the conference in honor of Professor Zhixian Wang's 80th birthday in Beijing in August 18-20 , 2007 , The abstract given above reflects the actual talk. In the talk, we discussed extensively on the connections of curvature formulas in numerical analysis with the theory of spherical and Euclidean designs. Since the exposition discussing this part was already written up in 090 , we will not treat this part much in this paper.

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