

<<球面上的调和分析与逼近>>

图书基本信息

书名：<<球面上的调和分析与逼近>>

13位ISBN编号：9787030083661

10位ISBN编号：7030083660

出版时间：2010-9

出版时间：科学

作者：王昆扬，李罗青著

页数：300

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

<<球面上的调和分析与逼近>>

前言

In recent years the research in Fourier Analysis and Approximation Theory has been extended from the classical setting, i.e., from the investigation on R^n and, respectively, to the investigation on manifolds. Nikol'skii has published a series of papers in this respect.

<<球面上的调和分析与逼近>>

内容概要

The aim of the book "Harmonic Analysis and Approximation on the Unit Sphere" is: (1) to give a basic introduction to the spherical harmonic expansion i.e. the Fourier-Laplace series of functions on the sphere of multidimensional Euclidian spaces; (2) to present the main research results obtained in this area by the authors and their co-authors during the period from 1991 to 1999; (3) to provide a basic self-contained reading material for the graduate students. This book can serve as a specialty textbook for the graduate students in the real function theory group of mathematical department of universities.

<<球面上的调和分析与逼近>>

书籍目录

Chapter1 Preliminaries 1.1 Basicconcepts 1.2 GegenbauerandJacobipolynomials 1.3
JacobipolynomialswithcomplexindicesChapter2 Fourier-LaplaceSeries 2.1 Introduction 2.2
Convergence,Lebesgueconstant 2.3 Cesaromeans(Earlyresults) 2.4 Translationoperatorandmeanoperator 2.5
Maximaltranslationoperator 2.6 ProjectionoperatorsChapter3 EquiconvergentOperatorsofCesaaroMeans 3.1
Definition 3.2 Localization 3.3 Pointwiseconvergence 3.4 MaximaloperatorEaanda.e.convergence 3.5
ApplicationtolinearsummabilityChapter4 ConstructivePropericalfunctions 4.1 Bestapproximationoperator 4.2
PointwiseDerivatives 4.3 Fractionalderivativeandintegral 4.4 Fractionalintegralsofvariableorder 4.5
Modulusofcontinuity 4.6 DerivativesandfinitedifferencesChapter5 JacksonTypeTheorems 5.1
JacksoninequalityandK-functional 5.2 DifferenceandspaceH`Chapter6 ApproximationbyLinearMeans 6.1
Almosteverywhereapproximation 6.2 Approximationinnorm 6.3
ThedelaValleePoussinMeansReferencesIndex

<<球面上的调和分析与逼近>>

章节摘录

插图：

<<球面上的调和分析与逼近>>

编辑推荐

《球面上的调和分析与逼近(英文版)》是由科学出版社出版的。

<<球面上的调和分析与逼近>>

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>