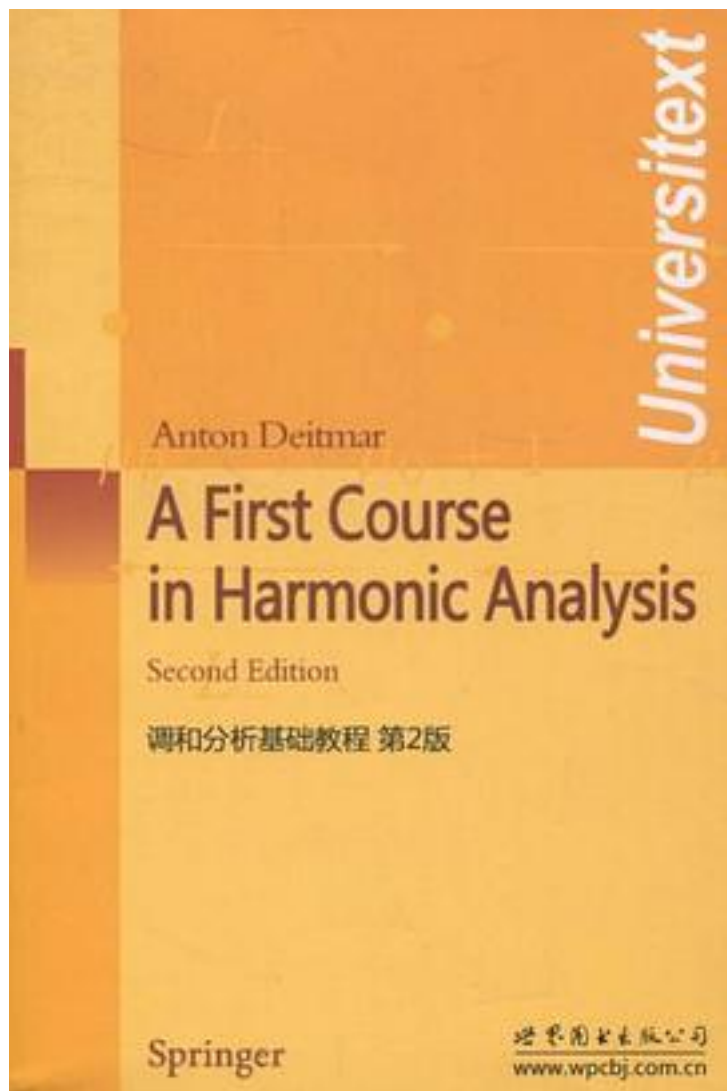


调和分析基础教程



[调和分析基础教程_下载链接1](#)

著者:特玛

出版者:世界图书出版公司

出版时间:2009-6

装帧:

isbn:9787510004827

《调和分析基础教程(第2版)(英文版)》主要包括：Exponentials、The Bessel Inequality、Convergence in the L^2 -Norm、Uniform Convergence of Fourier Series、Periodic Functions Revisited、Exercises 等。

作者介绍:

目录: I Fourier Analysis

1 Fourier Series

1.1 Periodic Functions

1.2 Exponentials

1.3 The Bessel Inequality

1.4 Convergence in the L^2 -Norm

1.5 Uniform Convergence of Fourier Series

1.6 Periodic Functions Revisited

1.7 Exercises

2 Hilbert Spaces

2.1 Pre-Hilbert and Hilbert Spaces

2.2 2 -Spaces

2.3 Orthonormal Bases and Completion

2.4 Fourier Series Revisited

2.5 Exercises

3 The Fourier Transform

3.1 Convergence Theorems

3.2 Convolution

3.3 The Transform

3.4 The Inversion Formula

3.5 Plancherel's Theorem

3.6 The Poisson Summation Formula

3.7 Theta Series

3.8 Exercises

4 Distributions

4.1 Definition

4.2 The Derivative of a Distribution

4.3 Tempered Distributions

4.4 Fourier Transform

4.5 Exercises

II LCA Groups

5 Finite Abelian Groups

5.1 The Dual Group

5.2 The Fourier Transform

5.3 Convolution

5.4 Exercises

6 LCA Groups

6.1. Metric Spaces and Topology

6.2 Completion

6.3 LCA Groups

6.4 Exercises

7 The Dual Group

7.1 The Dual as LCA Group

7.2 Pontryagin Duality

7.3 Exercises

8 Plancherel Theorem

8.1 Haar Integration
8.2 Fubini's Theorem
8.3 Convolution
8.4 Plancherel's Theorem
8.5 Exercises
III Noncommutative Groups
9 Matrix Groups
9.1 $GL_n(\mathbb{C})$ and $U(n)$
9.2 Representations
9.3 The Exponential
9.4 Exercises
10 The Representations of $SU(2)$
10.1 The Lie Algebra
10.2 The Representations
10.3 Exercises
11 The Peter-Weyl Theorem
11.1 Decomposition of Representations
11.2 The Representation on $\text{Hom}(V_\mu, V_\nu)$
11.3 The Peter-Weyl Theorem
11.4 A Reformulation
11.5 Exercises
12 The Heisenberg Group
12.1 Definition
12.2 The Unitary Dual
12.3 Hilbert-Schmidt Operators
12.4 The Plancherel Theorem for H
12.5 A Reformulation
12.6 Exercises
A The Riemann Zeta Function
B Haar Integration
Bibliography
Index
• • • • • ([收起](#))

[调和分析基础教程 下载链接1](#)

标签

数学

分析

调和分析

调和分析7

UTX

Analysis

评论

我喜欢那种一下午能看完的书

很容易读懂，写的很明白

你读了这本书也不知道调和是什么

[调和基础教程_下载链接1](#)

书评

[调和基础教程_下载链接1](#)