

# 《高效计算模式及应用前沿ADVANCE》

## 图书基本信息

书名：《高效计算模式及应用前沿ADVANCES IN THE EFFICIENCY OF COMPUTATIONAL METHODS AND APPLICATIONS》

13位ISBN编号：9789810243364

10位ISBN编号：9810243367

出版时间：2000-12

出版社：Penguin

作者：Argyros, I. K.

页数：546

版权说明：本站所提供下载的PDF图书仅提供预览和简介以及在线试读，请支持正版图书。

更多资源请访问：[www.tushu000.com](http://www.tushu000.com)

# 《高效计算模式及应用前沿ADVANCE》

## 内容概要

This invaluable textbook creates a general framework for the study of optimal iterative procedures for problems that are solved approximately. Emphasis is given to the efficiency of numerical methods. For generality the setting is abstract, but the book presents many applications to practical problems, allowing the reader to take advantage of the most modern high speed calculating devices, and provides examples to illustrate concepts and major theorems. The examples are selected from astrophysics (radiative transfer and the kinetic theory of gases), mechanics (elasticity), economics (predator -- prey problems), the n-dimensional Euclidean space and other applied areas. The book will benefit not only senior undergraduates, graduates, graduate students and researchers in the field but also those who wish to obtain information about specific results or techniques that take into account the particular nature of the equation.

# 《高效计算模式及应用前沿ADVANCE》

## 书籍目录

Preface Chapter 1 Divided Differences 1.1 Partially Ordered Topological Spaces 1.2 Divided Difference in a Linear Space 1.3 Divided Differences in a Banach Space 1.4 Divided Differences and Monotone Convergence 1.5 Divided Differences and Fréchet-derivatives 1.6 Exercises Chapter 2 Constants and Functions Appearing in Numerical Methods 2.1 Preliminaries 2.2 Lipschitz Conditions and Norm Estimate 2.3 Lipschitz Conditions for Uryson Operators 2.4 The Case  $X = C$  2.5 The Case  $X = L^p$  2.6 The Case  $X = L^p, I$

# 《高效计算模式及应用前沿ADVANCE》

## 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:[www.tushu000.com](http://www.tushu000.com)