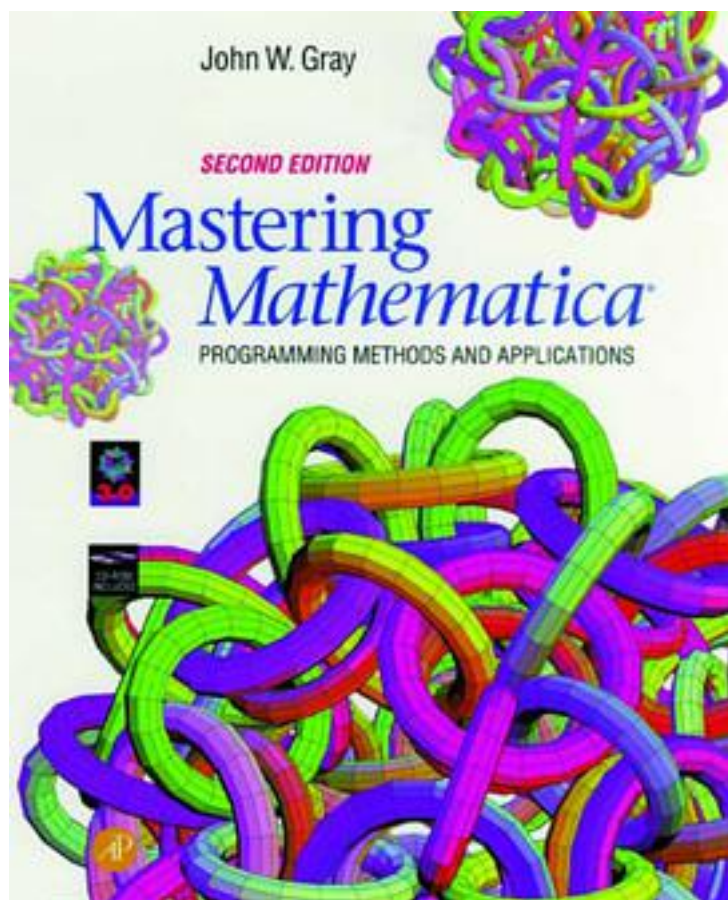# Mastering Mathematica

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Book Description

This new edition of Mastering Mathematica focuses on using Mathematica as a programming language, because programming in Mathematica is the best way to use

the software to its fullest capacity. The book covers functional programming, imperative programming, rewrite programming, and object-oriented programming. It also addresses the use of Mathematica as a symbolic manipulator and a general tool for knowledge representation.

* Focus on four different types of programming styles with Mathematica: functional programming, rewrite (or rule-based) programmng, imperative (or procedural) programming, and object-oriented programming, with many examples of each style

* Compatible with Mathematica 3.0 and its programming language

* Chapters on graphics programming show how to make the most of the considerable graphics capabilities of Mathematica

* Includes coverage of programming needed for creation of Mathematica packages that allow a user to extend the language as needed for particular uses

* Applications include:

* Polya pattern analysis

* Critical points of functions

* Object-oriented graph theory

* Minimal surfaces

* Mathematica-Enhanced CD-ROM Enclosed

* Complete text in active Mathematica Notebook files, enhanced for v3.0; Allows you to evaluate complex examples without retyping; Extensive use of the v3.0 math typesetting system

* Hyperlink index and table of contents

* Instant access to any chapter or topic

* Index is automatically merged with the main Mathematica help system forming a master index of all the user's Mathematica related information; Quickly see listings on a given topic from The Mathematica Book, Mastering Mathematica, the Guide to Standard Packages, or any other Help Browswer aware books you have installed

Book Info

Addresses the use of Mathematica as a symbolic manipulator, a programming language, and a general tool for knowledge representation. Compatible with Mathematica 3.0 and its programming language. Paper. CD ROM included. DLC: Mathematica (Computer file)

作者介绍:

目录:

标签

mathematica

Mathematica

数学

编程

具体编程语言

评论

感觉就是比国内的教材清晰 。。。

就看了几章，比较老，但是讲得还不错。

书评

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