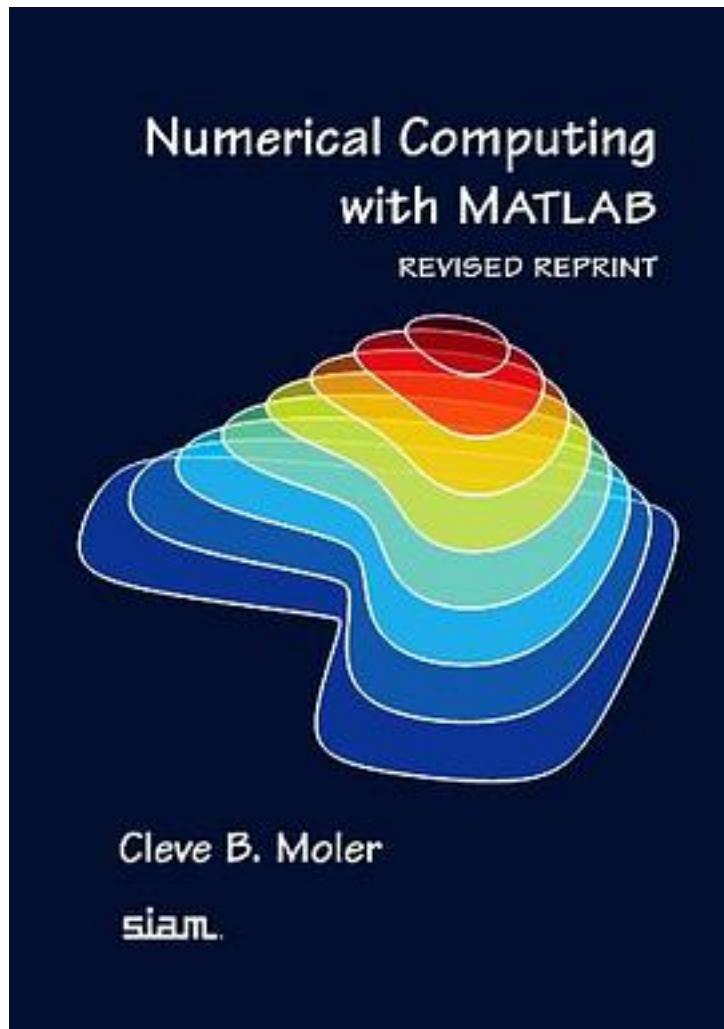


# Numerical Computing with MATLAB, Revised Reprint



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This is a lively textbook for an introductory course in numerical methods, MATLAB and technical computing, which emphasises the informed use of mathematical software. Numerical Computing with MATLAB helps readers learn about the mathematical functions in MATLAB, how to appreciate their limitations, and how to use and modify them appropriately. The book makes extensive use of computer graphics, and provides more than 70 M-files, which can be downloaded from the text website [www.mathworks.com/moler](http://www.mathworks.com/moler). Many of the numerous exercises involve modifying and extending these programs. The theory can be adapted to apply to modern problems from cryptography, touch-tone dialing, Google page-ranking, atmospheric science and image processing, as well as classical problems from physics and engineering. This book will appeal to advanced undergraduate and beginning graduate students in science and engineering. This revision includes changes and corrections made since the book was originally published in 2004.

作者介绍:

Cleve B.Moler 是The MathWorks公司的主席和首席科学家。曾任密歇根大学、斯坦福大学和新墨西哥大学的数学系或计算机系教授。他在两个计算机硬件制造商Intel公司的Hypercube组织Ardent Computers公司工作了五年。他的主要专业兴趣在于数值分析和科学计算。他是MATLAB软件的创始者，也是著名的矩阵计算软件包LINPACK和EISPACK的作者之一，已撰写了三本有关数值方法的教材。同时，他在SIAM(美国工业与应用数学学会)历任期刊编辑、委员会成员和副总裁，并从1996年开始担任理事会成员。

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标签

MATLAB

数学

matlab

编程

计算机

英文

## 评论

大一暑假去summer

school时大致的学了这本书。该书作者是MATLAB很多函数的作者，该书主要介绍了matlab里面一些基本函数的算法，很不错，那个暑假之后matlab水平显著提高~

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这本书干货满满，内容丰富，详略得当（将其中涉及到的数学理论以一种容易接受的通俗方式给予介绍），体现了作者广博的知识储备，读来收益颇多

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## 书评

第九章 概述了MATLAB如何生成随机数 读此书可以了解MATLAB的原理  
也就是MATLAB身后的秘密

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