

<<MATLAB编程>>

图书基本信息

书名：<<MATLAB编程>>

13位ISBN编号：9787030305428

10位ISBN编号：7030305426

出版时间：2011-4

出版时间：科学出版社

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页数：392

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## 内容概要

本书详细讲述了利用MATLAB解决典型技术问题的方法，包括自顶向下的程序设计方法、函数的使用、MATLAB内部工具的使用和数据结构、使用技巧和常见错误等。

作者将MATLAB作为一种科技程序设计语言进行介绍，帮助读者编写出简洁、高效、组织良好的程序；同时，帮助读者使用MATLAB的扩展在线帮助功能来找到所需的函数。

本书注重提高读者利用MATLAB解决实际问题的能力，为将来的学习与研究工作打下良好的基础。

本书可作为工科各专业本科生的教学用书，也可作为工程技术人员的参考书。

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In Chapter 3 we have presented the basic types of MATLAB branches and the relational and logic operations used to control them. The principal type of branch is the `if` construct. This construct is very flexible. It can have as many `elseif` clauses as needed to construct any desired test. Furthermore, `if` constructs can be nested to produce more complex tests. A second type of branch is the `switch` construct. It may be used to select among mutually exclusive alternatives specified by a control expression. A third type of branch is the `try / catch` construct. It is used to trap errors that might occur during execution. Chapter 3 also provided additional information about plots. The `axis` command allows a programmer to select the specific range of `x` and `Y` data to be plotted. The `hold` command allows later plots to be plotted on top of earlier ones, so that elements can be added to a graph a piece at a time. The `figure` command allows the programmer to create and select among multiple Figure Windows. So that a program can create multiple plots in separate windows. The `subplot` command allows the programmer to create and select among multiple plots within a single Figure Window.

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