

《程序设计语言概念》

图书基本信息

书名：《程序设计语言概念》

13位ISBN编号：9787040194111

10位ISBN编号：7040194112

出版时间：2006-1

出版社：高等教育出版社

作者：[美] Robert W. Sebesta

页数：724

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

《程序设计语言概念》

内容概要

Concepts of Programming Languages, Seventh Edition is a comprehensive introduction to programming language concepts. The book examines design and analysis issues using a wide variety of programming languages.

Highlights of the Seventh Edition:

- Additional coverage of program proofs using axiomatic semantics
- Additional material on recursive descent parsing
- New discussion of markup/programming hybrid language, including XSLT and JSP
- Extensive coverage of the concepts and constructs of languages like C#, Java, Javascript, Perl, and PHP
- Discussion of functional programming, including Scheme and ML
- Discussion of logic programming, including Prolog
- Historical boxes and interviews with James Gosling, Larry Wall, Alan Cooper, Bjarne Stroustrup, and others who put the material in context
- Companion Website including quizzes and language references

《程序设计语言概念》

作者简介

Robert Sebesta是科罗拉多大学科罗拉多泉分校计算机系的副教授。Sebesta教授在位于波尔德的科罗拉多大学获得应用数学专业学士学位，在宾夕法尼亚州立大学获得计算机专业硕士和博士学位。他在讲授计算机科学课程方面具有超过34年的经验。他的专业兴趣在于程序设计语言的设计和评估、编译器设计以及软件测试方法和工具。

《程序设计语言概念》

书籍目录

Chapter 1 Preliminaries 1.1 Reasons for Studying Concepts of Programming Languages 1.2 Programming Domains 1.3 Language Evaluation Criteria 1.4 Influences on Language Design 1.5 Language Categories 1.6 Language Design Trade-offs 1.7 Implementation Methods 1.8 Programming Environments
Summary · Review Questions · Problem Set

Chapter 2 Evolution of the Major Programming Languages 2.1 Zuse's Plankalkul 2.2 Minimal Hardware Programming: Pseudocodes 2.3 The IBM 704 and Fortran 2.4 Functional Programming: LISP 2.5 The First Step Toward Sophistication: ALGOL 60 2.6 Computerizing Business Records: COBOL 2.7 The Beginnings of Timesharing: BASIC Interview: ALAN COOPER--User Design and Language Design 2.8 Everything for Everybody: PL/I 2.9 Two Early Dynamic Languages: APL and SNOBOL 2.10 The Beginnings of Data Abstraction: SIMULA 67 2.11 Orthogonal Design: ALGOL 68 2.12 Some Early Descendants of the ALGOLs 2.13 Programming Based on Logic: Prolog 2.14 History's Largest Design Effort: Ada 2.15 Object-Oriented Programming: Smalltalk 2.16 Combining Imperative and Object-Oriented Features: C++ 2.17 An Imperative-Based Object-Oriented Language: Java 2.18 Scripting Languages: JavaScript, PHP, and Python 2.19 A C-Based Language for the New Millennium: C# 2.20 Markup/Programming Hybrid Languages
Summary · Bibliographic Notes · Review Questions · Problem Set

Chapter 3 Describing Syntax and Semantics 3.1 Introduction 3.2 The General Problem of Describing Syntax 3.3 Formal Methods of Describing Syntax 3.4 Attribute Grammars History Note 3.5 Describing the Meanings of Programs: Dynamic Semantics History Note
Summary · Bibliographic Notes · Review Questions · Problem Set
Programming Exercises

Chapter 4 Lexical and Syntax Analysis 4.1 Introduction 4.2 Lexical Analysis 4.3 The Parsing Problem 4.4 Recursive-Descent Parsing 4.5 Bottom-Up Parsing
Summary · Review Questions · Problem Set · Programming Exercises

Chapter 5 Names, Bindings, Type Checking, and Scopes 5.1 Introduction 5.2 Names.....

Chapter 6 Data Types

Chapter 7 Expressions and Assignment Statement

Chapter 8 Statement-Level Control Structures

Chapter 9 Subprograms

Chapter 10 Implementing Subprograms

Chapter 11 Abstract Data Types and Encapsulation Constructs

Chapter 12 Support for Object-Oriented Programming

Chapter 13 Concurrency

Chapter 14 Exception Handling and Event Handling

Chapter 15 Functional Programming Languages

Chapter 16 Logic Programming Languages

《程序设计语言概念》

精彩短评

- 1、从总体上概述了至今流行的多种程序设计语言。适合想学习多种编程语言，或者想设计新程序设计语言的人。
- 2、不言简意赅。
- 3、挑着捡着看了，感觉一般

《程序设计语言概念》

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