The Apple® Technical Library

For Apple II and Macintosh® Computers

Inside Macintosh
The Definitive Guide to Creating Software for the Macintosh Family of Computers

Inside Macintosh Volume I

Volume I covers the Macintosh® 128K and 512K. It contains important introductory material and goes on to present user interface guidelines, along with descriptions of routines that help implement the standard user interface. Other subjects covered in this volume are memory management, using assembly language, the Resource Manager, QuickDraw, the Toolbox Event Manager, the Menu and Dialog Managers, and numerous additional Macintosh programming topics.

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Volume II covers the Macintosh 128K and 512K. It describes routines that perform such basic tasks as file and device I/O, memory management, and interrupt handling. Individual chapters provide detailed coverage of the File Manager, the Printing Manager, device drivers, the AppleTalk® Manager, the System Error handler, and the Operating System Utilities, among many other essential topics.

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Volume III covers the Macintosh 128K and 512K. It explains how a program interfaces with the Macintosh Finder™. It also provides a description of the Macintosh 128K and 512K hardware and a summary of all of the 128K and 512K ROM-based and disk-based software. Appendices provide useful information on Result Codes, routines that may move or purge memory, System Traps, and Global Variables. An extensive glossary clarifies important terms.

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This volume provides a comprehensive, integrated index to *Inside Macintosh Volumes I-V, Programmer's Introduction to the Macintosh Family, Designing Cards and Drivers for Macintosh II and Macintosh SE,* and *Technical Introduction to the Macintosh Family.* It also includes three global appendices, a comprehensive glossary, and a new index of constants and field names.

0-201-19265-9 128 pages
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Technical Introduction to the Macintosh Family

This book provides an overview of the internal workings of Macintosh computers for sophisticated users, hobbyists, and programmers. It includes sections on the ROM, the user interface, graphics, system software, memory management, and the Macintosh file and operating systems, including the A/UX® Operating System for the Macintosh II. In addition, the hardware features of each Macintosh computer are thoroughly described.

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Programmer's Introduction to the Macintosh Family

Event-driven programming, QuickDraw, the Macintosh User Interface Toolbox, the Macintosh Programmer's Workshop (MPW™), MacApp®, and other Macintosh programming topics are all covered in this overview of Macintosh programming. Over 100 operating system and toolbox calls are briefly described in the appendix.

0-201-19254-3   224 pages
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Designing Cards and Drivers for Macintosh II and Macintosh SE

This guide describes the Macintosh II implementation of the NuBus™ interface and includes a mechanical description of NuBus cards; an overview of Macintosh II architecture; information on data transfer lines, signals, and operations; and a functional description of the Macintosh II video card. Part II describes the Macintosh SE expansion slot and provides information on the Macintosh SE architecture, a guide to the electrical and physical design of expansion cards, and card and driver design examples.

0-201-19256-X   288 pages
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Macintosh Family Hardware Reference

This manual provides comprehensive information on hardware configurations for each computer in the Macintosh family. Part I details the hardware of the Macintosh 128K, 512K, 512K Enhanced, and Macintosh Plus. Part II describes the hardware of the Macintosh SE, including its expansion bus. Part III covers the powerful Macintosh II, including slot configurations. Other specific topics include: the Macintosh Versatile Interface Adaptor (VIA) registers and the Small Computer System Interface (SCSI).

0-201-19255-1   380 pages
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HyperCard Script Language Guide
The HyperTalk Language

This book represents the definitive description of the HyperCard® Script Language (HyperTalk™), the intuitive programming language built into HyperCard. Written for the experienced script writer as well as the beginner, this guide covers version 1.2 of HyperCard. In addition to a comprehensive description of HyperTalk, numerous sample scripts illustrate key programming concepts.

0-201-17632-7   320 pages
$22.95   hardcover

Human Interface Guidelines

This richly illustrated volume is an essential resource for any Apple II series or Macintosh programmer. The book discusses user interface principles and provides information on how to use windows, menus, dialog boxes, and controls that make up the Apple Desktop Interface. It includes advice for color and sound integration and guidelines on designing for international markets and handicapped users.

0-201-17753-6   160 pages
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The Apple IIGS Reference Series

Apple IIGS Toolbox Reference
Volumes 1 and 2

Together, these two indispensable volumes provide a comprehensive guide to the Apple IIGS® Toolbox, composed of over 800 ready-to-use tool set routines that enable programmers to comply with the Apple desktop interface standards and access the powerful capabilities of the Apple IIGS. Organized alphabetically by tool set name, each chapter includes an overview of all of the routines in the set, a complete description of each routine, and a summary of constants, data structures, and errors.

Volume 1   0-201-17746-3   776 pages
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Volume 2   0-201-17747-1   700 pages
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Technical Introduction to the Apple IIGS

Technical Introduction to the Apple IIGS provides programmers and sophisticated users with numerous insights into the inner workings of the Apple IIGS. The book presents an overview of the general design, system architecture, programming environments, Toolbox, graphics modes, and sound capabilities. It also serves as an introduction to the entire series of Apple IIGS technical manuals.

0-201-17742-0   160 pages
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Programmer's Introduction to the Apple IIGS

This guide explains essential concepts and provides practical advice for programming the Apple IIGS. Three versions of a functioning sample program in 65816 Assembly Language, C, and Pascal demonstrate crucial Apple IIGS programming topics such as event-driven programming, the Apple Desktop Interface, and effective use of the Apple IIGS Toolbox. Other topics include file handling, memory management, and writing specialized programs such as desk accessories.

0-201-17745-5   544 pages
$32.95   hardcover
Includes 3.5″ disk

Apple IIGS Hardware Reference

Illustrated with photographs and detailed schematics, this reference presents a comprehensive description of the Apple IIGS hardware. In addition, the manual provides detailed information on the use of input devices, video display, disk drives, serial ports, and sound and graphics capabilities. This volume, with the *Apple IIGS Firmware Reference,* provides authoritative information for assembly language programmers and hardware designers.

0-201-17743-9   312 pages
$24.95   hardcover

Apple IIGS Firmware Reference

Apple IIGS Firmware Reference provides an extensive description of the internal operations of the Apple IIGS and its firmware facilities. It begins with an overview of the firmware, and then offers in-depth information on how to use the firmware to access the system monitor, mini-assembler, disassembler, keyboard, mouse, video display, serial ports, and disk drives. Appendices demonstrate methods of including firmware calls within programs.

0-201-17744-7   352 pages
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Apple IIGS ProDOS 16 Reference
Includes System Loader

This indispensable guide documents ProDOS® 16, the Apple IIGS operating system. In addition, the book describes the System Loader, a programming tool that works with ProDOS 16 to load, unload, and manipulate program segments. The 3.5″ disk included with the book contains ProDOS 16 and an Exerciser program that allows programmers to practice ProDOS calls without writing a system program.

0-201-17754-4   360 pages
$29.95   hardcover
Includes 3.5″ disk

Apple Numerics Manual
Second Edition

The second edition of the official reference to Apple's Standard Apple Numeric Environment (SANE®) includes new information on IEEE standard arithmetic and the implementation of SANE on the 65C816 and 6502 processors used in the Apple II family of computers; the 68000 family of processors used in the Macintosh; and the 68881 math coprocessor built into the Macintosh II.

0-201-17738-2   320 pages
$29.95   hardcover

LaserWriter Reference

This reference provides the necessary information for programming Apple's POSTSCRIPT-based printers — the LaserWriter®, the LaserWriter Plus, the LaserWriter IINT, and the LaserWriter IINTX. Specific topics covered include a description of the operational modes of all LaserWriters, the unique features of the new POSTSCRIPT® interpreter resident in the LaserWriter IINT and LaserWriter IINTX, and a specification for designing a LaserWriter IINTX font-expansion card.

0-201-19258-6   184 pages
$19.95   hardcover

ImageWriter LQ Reference

Written for programmers and serious hobbyists, this reference provides techniques for implementing the advanced features of the ImageWriter® LQ. The book includes complete descriptions for the hardware and software switches that control printer setup; commands that select character sets and features; and sending graphics, color-printing commands, and printer control codes in programs. A printer command summary is provided.

0-201-17751-X   272 pages
$22.95   hardcover

Apple IIe Technical Reference Manual

This essential guide for Apple programmers provides detailed descriptions of all of the Apple IIe's hardware and firmware. It offers information on input/output features such as Mousetext, memory organization, and the use of the monitor firmware. This manual has been revised to cover the 128K Apple IIe with extended keyboard.

0-201-17750-1   408 pages
$24.95   hardcover

Apple IIc Technical Reference Manual

Written for programmers, this book provides comprehensive technical information about the Apple IIc. It presents essential information on hardware, memory organization and control, input/output capabilities including the Apple IIc Memory Expansion Card, ROM listings, and the electronic implementation of machine features and capabilities. Appendices describe interrupt handling.

0-201-17752-8   576 pages
$24.95   hardcover

ProDOS 8 Technical Reference Manual

ProDOS 8 is the standard operating system for the Apple II family of computers. Written for assembly-language programmers, this manual provides detailed documentation of ProDOS 8 programming features, including memory management, operating system calls, and file structure. An Exerciser disk allows readers to practice ProDOS 8 calls before actually writing application programs.

0-201-17757-9   208 pages
$29.95   hardcover
Includes 5.25" disk

ImageWriter II Technical Reference Manual

For programmers creating software compatible with the ImageWriter II, this guide presents principles for using printer control codes in programs, selecting character features, and sending graphics commands to the printer. A command summary is provided.

0-201-17766-8   232 pages
$19.95   hardcover

BASIC Programming with ProDOS

With this book BASIC programmers can learn to use ProDOS commands in their programs. Specific topics include sequential and random accessing, and binary programs and files. An examples disk contains ProDOS 8 sample programs.

0-201-17755-2   296 pages
$29.95   hardcover
Includes 5.25" disk

Applesoft Tutorial

This classic introduction teaches Applesoft BASIC fundamentals with concise explanations and hands-on exercises. The Sampler disk provides program examples of games, and programming tools.

0-201-17724-2   304 pages
$29.95   spiralbound with overlapping spine
Includes 5.25" disk

Applesoft BASIC Programmer's Reference Manual

This complete reference details all the features of Applesoft BASIC and explains advanced concepts in program design. Topics covered include how to create high-resolution graphics, memory organization, and information on peeks, pokes, and calls.

0-201-17756-0   368 pages
$22.95   hardcover

Apple Technical Library

The Apple® Technical Library offers programmers, developers, and enthusiasts the most complete technical information available on Apple computers, peripherals, and software. The Library consists of technical manuals for the Apple II family of computers, the Macintosh family of computers, and their key peripherals and programming environments.

These books will enable developers of Apple software and hardware to take full advantage of the many advanced features of Apple system and programming tools. The easy-to-read text and detailed indexes enable programmers to find needed information quickly. Concise, thorough explanations make learning time more productive.

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