Color QuickDraw

Contents

About Color QuickDraw 4-4	
RGB Colors 4-4	
The Color Drawing Environment: Color Graphics Ports 4-5	
Pixel Maps 4-9	
Pixel Patterns 4-12	
Color QuickDraw's Translation of RGB Colors to Pixel Values 4	-1
Colors on Grayscale Screens 4-17	
Using Color QuickDraw 4-18	
Initializing Color QuickDraw 4-19	
Creating Color Graphics Ports 4-20	
Drawing With Different Foreground Colors 4-21	
Drawing With Pixel Patterns 4-23	
Copying Pixels Between Color Graphics Ports 4-26	
Boolean Transfer Modes With Color Pixels 4-32	
Dithering 4-37	
Arithmetic Transfer Modes 4-38	
Highlighting 4-41	
Color QuickDraw Reference 4-44	
Data Structures 4-45	
Color QuickDraw Routines 4-63	
Opening and Closing Color Graphics Ports 4-63	
Managing a Color Graphics Pen 4-67	
Changing the Background Pixel Pattern 4-68	
Drawing With Color QuickDraw Colors 4-70	
Determining Current Colors and Best Intermediate Colors 4-79	
Calculating Color Fills 4-82	
Creating, Setting, and Disposing of Pixel Maps 4-85	
Creating and Disposing of Pixel Patterns 4-87	
Creating and Disposing of Color Tables 4-91	
Retrieving Color QuickDraw Result Codes 4-94	

Contents 4-1

Customizing Color QuickDraw Operations 4-96 Reporting Data Structure Changes to QuickDraw 4-97 **Application-Defined Routine** 4-101 Resources 4-102 The Pixel Pattern Resource 4-103 The Color Table Resource 4-104 The Color Icon Resource 4-105 Summary of Color QuickDraw 4-107 Pascal Summary 4-107 Constants 4-107 Data Types 4-109 Color QuickDraw Routines 4-113 Application-Defined Routine 4-115 C Summary 4-115 Constants 4-115 Data Types 4-118 Color QuickDraw Functions 4-122 Application-Defined Function 4-124 Assembly-Language Summary 4-124 **Data Structures** 4-124 Result Codes 4-128

4-2 Contents