

Contents

Abstract 3

Preface 4

Contents 5

Introduction / Beach

Traditional Document Production Techniques 7

Richard J. Beach

Quality Issues for Documentation Graphics 21

Richard J. Beach

Marking / Bigelow

Notes on Marking 25

Chuck Bigelow

Imaging Systems Architecture / Stone

A Device Independent Graphics Imaging Model for Use with Raster Devices 29

John Warnock and Doug Wyatt

Page Description Languages / Beach

PostScript and Interpress 47

Brian Reid

Procedural Page Description Languages 63

Brian Reid

The Interpress Page and Document Description Language 75

Abhay Bhushan and Michael Plass

Color Imaging / Stone

Notes on Color Printing 91

Maureen C. Stone

Color in Interpress 97

Steve Harrington and Rob Buckley

Color, Graphic Design, and Computer Systems 133

Maureen Stone

Digital Typography / Bigelow**The Design of Lucida 149***Chuck Bigelow***Editing, Formatting and Interchanging Documents / Beach****Trends and Standards in Document Representation 163***Vania Joloboff***Illustration Tools / Stone****Electronic Sources of Illustrations 183***Maureen Stone***Techniques for Interactive Raster Graphics 203***Patrick Baudelaire and Maureen Stone***Graphical Style / Beach****The Concept of Style 221***Richard J. Beach***Graphical Style - Towards High-Quality Book Illustration 227***Richard J. Beach***Presentation Tools / Mackinlay****Automating the Design of Graphical Presentations of Relational Information 253***Jock Mackinlay***APEX: An Experiment in Automated Creation of Pictorial Explanations 295***Steve Feiner***Issues for the Future / Beach**