
Contents

Preface

PREFACE	v
Chapter 1 Introduction	1
Part 1: Modeling Concepts	7
Chapter 2 Modeling as a Design Technique	7
Chapter 3 Object Modeling	10
Chapter 4 Advanced Object Modeling	37
Chapter 5 Dynamic Modeling	48
Chapter 6 Functional Modeling	65
Part 2: Design Methodology	75
Chapter 7 Methodology Preview	75
Chapter 8 Analysis	77
Chapter 9 System Design	109
Chapter 10 Object Design	119
Chapter 11 Methodology Summary	138
Chapter 12 Comparison of Methodologies	139
Part 3: Implementation	142
Chapter 13 From Design to Implementation	142
Chapter 14 Programming Style	143
Chapter 15 Object-Oriented Languages	147
Chapter 16 Non-Object-Oriented Languages	177
Chapter 17 Relational Databases	217
Part 4: Applications	245
Chapter 18 Object Diagram Compiler	245
Chapter 19 Computer Animation	249
Chapter 20 Electrical Distribution Design System	253