Brief Table of Contents

Preface	iii
Chapter 1	Introduction 1
Chapter 2	Solving Nonlinear Equations 23
Chapter 3	Solving a System of Linear Equations 65
Chapter 4	Curve Fitting and Interpolation 153
Chapter 5	Numerical Differentiation 211
Chapter 6	Numerical Integration 249
Chapter 7	Ordinary Differential Equations: Initial-Value Problems 293
Chapter 8	Ordinary Differential Equations: Boundary-Value Problems 377
Appendix A	Introductory MATLAB 415
Appendix B	MATLAB Programs 453
Index 457	