

Contents

Chapter 1	Lindstedt's Method	1
Chapter 2	Center Manifolds	27
Chapter 3	Normal Forms	50
Chapter 4	Two Variable Expansion Method	89
Chapter 5	Averaging	107
Chapter 6	Lie Transforms	132
Chapter 7	Liapunov-Schmidt Reduction	155
Appendix	Introduction to MACSYMA	215
References		235
Index		239