

Contents

Preface	vii
Introduction	1
1. Equations in One Space Variable	3
2. Blow-Up in Higher Dimensions	16
3. Longtime Existence for Solutions of Nonlinear Wave Equations with Small Initial Data	39
Appendix 1. Uniqueness for Nonlinear Wave Equations	53
Appendix 2. Klainerman's Inequality (Adapted from Klainerman [4])	57
Bibliography	62