

Foreword to Rhodes' Applications of Automata Theory and Algebra	p. vii
Editrial Preface	p. xiii
Prologue: Birth, Death, Time, Space, Existence, Understanding, Science, and Religion	p. 1
Introduction	p. 7
What is Finite Group Theory?	p. 9
Bibliography	p. 14
A Generalization of Finite Group Theory to Finite Semigroups	p. 15
Bibliography	p. 33
A Reformulation of Physics	p. 35
Bibliography	p. 54
Automata Models and the Complexity of Finite State Machines	p. 55
The Prime Decomposition Theorem	p. 55
Complexity of Finite State Machines	p. 67
Bibliography	p. 76
Appendix to Chapter 5	p. 77
Applications of Automata Theory and Algebra	
Bibliography	p. 108
Applications	p. 111
Introduction	p. 111
Analysis and Classification of Biochemical Reactions	p. 114
Bibliography	p. 175
Complexity of Evolved Organisms	p. 176
Appendix to Part II	p. 195
Bibliography	p. 201
The Lagrangian of Life	p. 203
The Laws of Growing and Evolving Organisms	p. 203
Bibliography	p. 219
Complexity, Emotion, Neurosis and Schizophrenia	p. 220
Bibliography	p. 239
Complexity of Games	p. 241
Bibliography	p. 256
Index	p. 257

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.