

Table of Contents

Index of Mathematical Topics	iv
Preface	v
1. Finding Relationships in Data	1
2. The Perception of Sensations	11
3. Models of Growth, Decay, and Interaction	16
4. Wave Motion and the Trigonometric Functions	25
5. Optics	36
6. Music and Mathematics	44
7. Economic Models, Part I	49
8. Economic Models, Part II	57
9. The Special Theory of Relativity	65
10. The Geometry of Molecules	74
11. Structure and Synthesis of Protein Molecules	83
12. Mathematical Modeling	93
References	98
Answers to Exercises	101