

# *Contents*

Preface	
Foreword	
1. The Algebra of Matrices	1
2. Some Applications of Matrices	17
3. Systems of Linear Equations	27
4. Invertible Matrices	59
5. Vector Spaces	69
6. Linear Mappings	95
7. The Matrix Connection	113
8. Determinants	129
9. Eigenvalues and Eigenvectors	153
10. The Minimum Polynomial	175
11. Computer Assistance	183
12. Solutions to the Exercises	205
Index	231