# TABLE OF CONTENTS

## 3 MATRICES AND EIGENVALUE PROBLEMS, 38



## 4 THE CALCULUS OF MATRICES, 65

## 5 MATRIX METHODS IN THE THEORY OF ELASTICITY, 100



## 6 MATRIX METHODS IN THE ANALYSIS OF STRUCTURES, 129

## 7 APPLICATIONS OF MATRICES TO CLASSICAL MECHANICS, 163



## 8 APPLICATIONS OF MATRICES TO VIBRATION PROBLEMS, 210

## 8 APPLICATIONS OF MATRICES TO VIBRATION PROBLEMS (Cont'd)



## 9 THE STEADY-STATE SOLUTION OF THE GENERAL $n$-MESH CIRCUIT, 288