

Contents

Chapter 1. Introduction	1
<i>J. F. McGilp</i>	
Chapter 2. The Linear Optical Response	15
<i>R. Del Sole, A. I. Shkrebtii, G.-P. Jiang, and C. H. Patterson</i>	
Chapter 3. Spectroscopic Ellipsometry	39
<i>U. Rossow</i>	
Chapter 4. Reflection Difference Techniques	77
<i>D. R. T. Zahn</i>	
Chapter 5. Raman Spectroscopy	103
<i>W. Richter</i>	
Chapter 6. Photoluminescence Spectroscopy	133
<i>Z. Sobiesierski</i>	
Chapter 7. On the Theory of Second Harmonic Generation	163
<i>A. d'Andrea, M. Cini, R. Del Sole, L. Reining, C. Verdozzi, R. Girlanda, E. Piparo, D. Hobbs, and D. Weaire</i>	
Chapter 8. Second Harmonic and Sum Frequency Generation	183
<i>J. F. McGilp</i>	
Chapter 9. Conclusions	207
<i>J. F. McGilp</i>	
Appendices	211
Subject Index	227