

Contents

-
1. Fundamental Principles of Laser Spectroscopy 1
D. L. Andrews
 2. General Aspects of Laser Instrumentation 19
M. R. S. McCoustra
 3. Electronic Photoabsorption Spectroscopy 67
W. Demtröder
 4. Laser-Induced Fluorescence Spectroscopy 111
J. Pfab
 5. High-Resolution Infrared Spectroscopy 185
B. J. Howard and J. M. Brown
 6. Modern Techniques in Raman Spectroscopy 227
M. D. Morris
 7. Nonlinear Raman Spectroscopy 267
H. Berger, B. Lavorel, and G. Millot
 8. Multiphoton Absorption Spectroscopy 319
L. Goodman and J. Philis

9.	Laser Mass Spectrometry	365
	<i>K. W. D. Ledingham and R. P. Singhal</i>	
10.	Ultrafast Spectroscopic Methods	401
	<i>P. A. Anfinrud, C. K. Johnson, R. Sension, and R. M. Hochstrasser</i>	
	Appendix: Acronyms in Laser Spectroscopy	461
	Index	465