DESCRIPTION

The latest edition of this highly acclaimed title introduces the reader to a wide range of spectroscopies, and includes both the background theory and applications to structure determination and chemical analysis. It covers rotational, vibrational, electronic, photoelectron and Auger spectroscopy, as well as EXAFs and the theory of lasers and laser spectroscopy.

* A revised and updated edition of a successful, clearly written book

* Includes the latest developments in modern laser techniques, such as cavity ring-down spectroscopy and femtosecond lasers

* Provides numerous worked examples, calculations and questions at the end of chapters

ABOUT THE AUTHOR

Dr. J. Michael Hollas is a retired University lecturer with many years’ teaching and research experience. He has written over 100 research papers. Prior to Modern Spectroscopy he published 3 books, Symmetry in Molecules (Chapman and Hall, 1972), High Resolution Spectroscopy 2.ed. (Wiley, 1998) and Basic Atomic and Molecular Spectroscopy (Royal Society of Chemistry, 2002).
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FEATURES

• Introduces the reader to a wide range of spectroscopies and includes both the background theory and applications to structure determination and chemical analysis

• A revised and updated edition of a successful, clearly written book

• Includes the latest developments including femtosecond lasers and wave packet spectroscopy

• Contains more questions at the end of some chapters

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