



Infrared Vibration-rotation Spectroscopy: From Free Radicals to the Infrared Sky (Hardback)

By Geoffrey Duxbury

John Wiley and Sons Ltd, United Kingdom, 2000. Hardback. Book Condition: New. 1. Auflage. 241 x 163 mm. Language: English . Brand New Book. Written by an author internationally renowned in the field of molecular spectroscopy, this book provides an up-to-date account of the new experimental and theoretical methods on the high resolution infrared spectroscopy of small molecules. The approach uses a visual approach to spectral analysis, containing large numbers of energy level diagrams and spectra spectra to show the progress in identification and line assignment. Covering new and important techniques on laser and Fourier Transform, it also contains both theoretical and experimental chapters. Divided into 3 parts, features covered in the first part include: Calculations of the vibration-rotation energy levels of rigid and non-rigid molecules
Calculations of the intensities of vibration-rotation transitions
Introduction to linear and non-linear molecular spectroscopy
Use of interferometric and laser spectrometers for measuring infrared spectra
The second part presents a detailed treatment of the analysis of the high resolution vibration-rotation spectra of linear, quasilinear, symmetric rotor and asymmetric rotor molecules. In the final part of the book the following topics of current interest are examined in depth: Electric and magnetic resonance spectroscopy Spectroscopy of transient...



READ ONLINE
[1.01 MB]

Reviews

This is basically the very best book we have go through until now. I have got read and i also am confident that i am going to gonna study once again again in the future. I am just very happy to inform you that this is basically the very best ebook we have read inside my own life and might be he very best publication for at any time.

-- **Angus Hickie**

This book is definitely not effortless to start on looking at but really exciting to see. It really is simplistic but surprises from the 50 % from the pdf. I am just effortlessly can get a delight of looking at a published book.

-- **Thurman Schamberger**