



Molecular Vibrations: The Theory of Infrared and Raman Vibrational Spectra (Paperback)

By E. Bright Wilson

Dover Publications Inc., United States, 1980. Paperback. Condition: New. New edition. Language: English . Brand New Book. Because of its connection with laser technology, the theory of infrared and Raman vibrational spectra is even more important now than when this book was first published. As the pioneering text in the field and as the text still preferred today, Molecular Vibrations is the undeniable choice of anyone teaching or studying molecular spectroscopy at the graduate level. It is the only book of its kind in the area written by well-known scientists, and besides its value as a pedagogical classic, it is an essential reference for anyone engaged in research. The genius of the book is its rigorous, elegant treatment of the mathematics involved in detailed vibrational analyses of polyatomic molecules. The reader is led carefully and gradually through the main features of the theory and its methods: starting from a valuable introduction to the theory of molecular vibrations and the application of wave mechanics to this subject; leading into the mathematical methods devised by Professor Wilson and his students for handling the mathematical problems and for making use of symmetry and group theory; proceeding through vibrational selection rules and intensities, potential...



[READ ONLINE](#)
[2 MB]

Reviews

This is actually the very best book i actually have read till now. This is for all those who statte that there was not a worth studying. Its been written in an remarkably straightforward way which is merely following i finished reading this publication by which in fact altered me, modify the way i believe.

-- Mr. Jeramy Leuschke IV

This is actually the finest publication i actually have study right up until now. We have study and so i am confident that i am going to planning to go through again again in the foreseeable future. I am just effortlessly will get a delight of studying a published book.

-- Lori Bernier