

<<电子吸收的光谱学>>

图书基本信息

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内容概要

This book, a companion volume to *Electronic Structure and Chemical Bonding* (World Scientific, 1996), is concerned with the teaching of optical spectroscopies of electronic absorption. It is the culmination of about ten years of experience in the teaching of the subject and the training of students to become teachers in the physical sciences. The book covers topics of current research and includes about 30 problems with solutions, most of which are adapted from tests proposed recently at the "Aggregation" in chemistry and physics. It provides as much coverage of elementary quantum mechanics, group theory and the electronic structure of molecules as is necessary for the reader to understand the rest of the topics. Also included are numerous appendices, often presented as charts to facilitate assimilation, as well as short bibliographies, limited to basic books and review articles. This volume will be an invaluable guide for teachers and potential teachers in the physical sciences, and more generally for students and engineers in chemical physics and physics.

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