

<<分子和固体中的电子关联>>

图书基本信息

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内容概要

《分子和固体中的电子关联(英文版)》用独特的方法讲述分子和固体中的电子关联。分子和固体中的电子关联性为量子化学和固态物理学架起了一座桥梁，书中前半部分新概念的讲述为了很好的处理多体和关联效应，结合标准量子化学方法的映射技巧，格林函数方法和monte-carlo技巧；后半部分讲述了在分子、半导体、过渡金属、重费米体系和高- T_c 超导材料中的应用。目次：导论；独立电子逼近；密度函数理论；电子相关的量子化学方法；累积量，划分和映射；兴奋状态；有限温度技巧；原子和分子相关；半导体和绝缘体；同质金属系统；过渡金属；强关联电子；重费米体系；超导和高- T_c 材料。

读者对象：物理专业的研究生，教师和材料科学相关的专业人士。

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