<<固态物理学基础>>

图书基本信息

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内容概要

《固态物理学基础》是一部优秀的介绍固态物理学入门类书籍,也是一本很好的本科生教材。 本书是1975年版本的修订版,在原来的基础上做了不少改进。

内容安排结构紧凑,合理,逻辑性强。

尽管本书出版的比较早,但不失经典,覆盖面广,囊括了许多读者了解的话题,如,半导体设备和议题,液态晶体,聚合体和一些生物分子。

大量的实用案例是本书的一大特色,更加增强了本书的可读性。

目次:晶体结构和原子间作用力;x射线,中子和晶体中的电子偏移;格振动:热力学,声学和光学性质;金属 :自由电子模型;金属 :固体中的能级;半导体 :理论;半导体 :设备;电介体和固体的光学性质;磁性和磁共振;超导体;冶金学议题和固体中的缺陷;材料和固态化学;固态生物化学。

附录:量子力学基础。

读者对象:物理,应用物理专业的本科生,研究生以及相关工程领域的科研人员。

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作者简介

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