

<<固态物理学基础>>

图书基本信息

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## <<固态物理学基础>>

### 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 and 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:(美)奥马尔

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