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材料的电子衍射与显微术课题

Topics in Electron Diffraction and Microscopy of Materials

编者:P. B. Hirsch。1999年物理学会出版。

本书阅读对象为从事材料科学、冶金学与物理学的研究人员。内容如下:1) 早期的衍射对比透射电子显微法;2) 电子显微法弱束技术的应用;3) 双束衍射与 n 束衍射;4) 晶体的原子分辨电子显微法的无像差自然聚焦成像法;5) 用快中子探测原子键,介绍了相稳定性;6) 空间可分辨价损失光谱;7) 分子成像的可能性;8) 应用反散射电子的衍射成像;9) RHEED力学理论及其在MBE生长的就地监测中的应用。

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