<<先进材料物性和应用>>

图书基本信息

书名：<<先进材料物性和应用>>

13位ISBN编号：9787811189308

10位ISBN编号：7811189305

出版时间：2011-10

出版时间：上海大学出版社

作者：曹世勋 编

页数：282

<<先进材料物性和应用>>

内容概要

作为第六届先进材料物性和应用国际学术研讨会的会议论文集，本书内容主要包括以下六个方面的最新研究进展：1)先进材料的制备和表征；2)先进功能材料的结构和物性；3)纳米结构材料物理与化学；4)自旋电子学、氧化物电子学与信息材料；5)超导材料的物理特性和应用；6)计算机辅助材料设计。

<<先进材料物性和应用>>

书籍目录

<<先进材料物性和应用>>

章节摘录

版权页：插图：Abstract：AZ system magnesium alloys which were cast into gravity casting and included 3，6，9 and 12mass%aluminum wereinvestigated the changes in hardness and the microstructure evolution using Vickers hardness tester and optical microscopy.Specimens were solution treated at 688 or 708K for 86.4 or 259.2ks.Affer that，aging treatment was performed by threetemperatures of 423，473 and 523K.Specimens indicated age hardening obviously in all aging temperatures.In each AZ systemalloys.the peak hardness tended to increase by decreasing the aging temperature and increasing the aluminum content and the timeto reach the peak hardness was shogened with increasing the aging temperature.The volume fraction of discontinuous precipitationwhich increases with the passage of aging time was also increased by increasing the aluminum content.

<<先进材料物性和应用>>

编辑推荐

《先进材料物性和应用(英文)》是由上海大学出版社出版的。

<<先进材料物性和应用>>

版权说明