

《现代数学物理教程》

图书基本信息

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内容概要

《现代数学物理教程》是一部学习数学物理入门书籍，也是一部教程，让读者在物理的背景下建立现代数学概念，重点强调微分几何。写作风格上保持了作者一贯的特点，清晰，透彻，引人入胜。大量的练习和例子是《现代数学物理教程》的一大亮点，扩展索引对初学者也是十分有用。内容涵盖了张量代数，微分几何，拓扑，李群和李代数，分布理论，基础分析和希尔伯特空间。目次:几何与结构;群;向量空间;线性算子和矩阵;内积空间;代数;张量;外代数;狭义相对论;拓扑学;测度论和积分;分布;希尔伯特空间;量子力学;微分几何;微分形式;流形上的积分;联络和曲率;李群和李代数。

读者对象:数学、物理专业的本科生，研究生和相关的科研人员。

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作者简介

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《现代数学物理教程》

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《现代数学物理教程》

精彩短评

- 1、介绍了群论，微分几何，测度论等很现代的数学工具，很适合从事理论物理和数学物理方面的同学看，是很好的Arfken的后继数目。
- 2、只是大体浏览了下，感觉内容和Hassini差不多。就是叙述更简练了些。作为入门教材还行吧。。。
- 3、后面就像仍在水泥地面上摩擦过一样，脏脏的，一本好书瞬间被搞得没有看的欲望！
- 4、这是影印本，印刷质量还不错。是一部学习数学物理入门书籍，也是一部教程，适合老师和学生看
- 5、相对这么大的体积来说，其实内容不是很多...
- 6、是一本比较全面的介绍现代数学物理的书。群论，表示，拓扑，流形，都有涉及。但是有了广度必然缺少深度，这也是这本书的缺点。所以此书适合也只能作为入门书而已。
- 7、教材内容很全，印刷质量基本看不出是影印，很真，不错

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