

<<电磁波理论.下>>

图书基本信息

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## <<电磁波理论.下>>

### 内容概要

本书原来是美国麻省理工学院电磁波理论课程的教材。

本书作者从事电磁波理论的研究已有30多年，作者近年来在美国国家科学基金、美国海军和陆军研究机构、IBM公司等支持下完成了多个研究项目，部分项目成果编入本书。

本书详细介绍了基于麦克斯韦程组的电磁波完整理论，特别强调波矢量在其中的重要性，并交电磁波理论的应用贯穿于全书。

根据国内高校的教学情况，本书影印后分为三册出版。

上册的主要内容包括电磁理论的基本原理、公式以及传输线理论，可作为高等学校电子信息类专业本科生的教材或参考书，同时可供有关工程技术人员参考使用。

本书中册的内容包括三部分：电磁波的发射、反射、传输、导行、调谐；辐射和天线理论；麦克斯韦理论的定理和限制条件。

中册可作为高等学校电子信息类专业硕士研究生的教材或参考书。

下册内容包括：球、圆柱、粗糙表面和不规则物体对电磁波的散射；麦克斯韦方程组与相对论的一致性。

下册可作为高等学校电子信息类专业硕士及博士研究生的教材或参考书。

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