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<<经典电动力学>>

图书基本信息

书名：<<经典电动力学>>

13位ISBN编号：9787040144321

10位ISBN编号：7040144328

出版时间：2004年04月

出版时间：高等教育出版社

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页数：808

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前言

It has been 36 years since the appearance of the first edition of this book, and 23 years since the second. Such intervals may be appropriate for a subject whose fundamental basis was completely established theoretically 134 years ago by Maxwell and experimentally 110 years ago by Hertz. Still, there are changes in emphasis and applications. This third edition attempts to address both withoutany significant increase in size. Inevitably, some topics present in the second edition had to be eliminated to make room for new material. One major omission is the chapter on plasma physics, although some pieces appear elsewhere. Readers who miss particular topics may, I hope, be able to avail themselves of the second edition.The most visible change is the use of SI units in the first 10 chapters. Gaussian units are retained in the later chapters, since such units seem more suited to relativity and relativistic electrodynamics than SI. As a reminder of the sys- tem of units being employed, the running head on each left-hand page carries "——SI" or "——G" depending on the chapter.My tardy adoption of the universally accepted SI system is a recognition that almost all undergraduate physics texts, as well as engineering books at all levels, employ SI units throughout. For many years Ed Purcell and I had a pact to support each other in the use of Gaussian units. Now I have betrayed him! Al- though this book is formally dedicated to the memory of my father, I dedicate this third edition informally to the memory of Edward Mills Purcell (1912-1997), a marvelous physicist with deep understanding, a great teacher, and a wonderful man.

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内容概要

《经典电动力学》经典电动力学（第3版影印版）是一本有着很高知名度的电动力学教材，长期以来被世界上多所大学选用。
本影印版是2001年出版的第三版。
与前两版相比，第三版在保留基本经典电动力学内容的基础上，做了不少调整。
如增加了一些关于数字计算方面的内容；删除了等离子体一章，将其部分内容在其它章节体现；增加了一些新的科技发展内容，如光纤、半导体波导管、同步辐射等。

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