## 图书基本信息

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＜＜物理学和工程学中的计算方法＞＞

## 内容概要

Computational methodsform an increasingly important part of the undergraduatecurricu－lum in physicsand engineering these days．Thisbook ismainly concerned with the waysthat computersmay be used to advance a student＇sunderstanding of physics．A large part of the material iscommon to engineering aswell．The subject matter covered in thisvolume may be classified also under the title of＂computational physics．＂There are several waysto organizethe material that should be included．The choice madehere isto follow the traditional approach of mathematical physics．That is，the chaptersand sectionsaregrouped around methods，with physical problemsused asthe motivation and examples O ne attractive alternative isto group around physical phenomena．The difficulty of following thisway of organization isthe heavy reliance on the physicsbackground of the readers，thusmaking it harder to follow for studentsat early stages of their education．For thisreason，such an approach isrejected．

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