

<<物理学和工程学中的数学方法>>

图书基本信息

书名：<<物理学和工程学中的数学方法>>

13位ISBN编号：9787506265591

10位ISBN编号：7506265591

出版时间：2003-11

出版公司：世界图书出版公司

作者：K.F.Riley M.P.Hobson et al.

页数：1232

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

## <<物理学和工程学中的数学方法>>

### 内容概要

Since the publication of the first edition of this book, both through teaching the material it covers and as a result of receiving helpful comments from colleagues, we have become aware of the desirability of changes in a number of areas. The most important of these is that the mathematical preparation of current senior college and university entrants is now less thorough than it used to be. To match this, we decided to include a preliminary chapter covering areas such as polynomial equations, trigonometric identities, coordinate geometry, partial fractions, binomial expansions, necessary and sufficient condition and proof by induction and contradiction.

<<物理学和工程学中的数学方法>>

作者简介

KEN RILEY read Mathematics at the University of Cambridge and proceeded to a Ph.D. there in theoretical and experimental nuclear physics. He became a Research Associate in elementary prticl physics at Brookhaven, and then, having taken up a lectureship at

书籍目录

Preface to the second edition Preface to the first edition 1 Preliminary algebra 2 Preliminary calculus 3 Complex numbers and hyperbolic functions 4 Series and limits 5 Partial differentiation 6 Multiple integrals 7 Vector algebra 8 Matrices and vector spaces 9 Normal modes 10 Vector calculus 11 Line, surface and volume integrals 12 Fourier series 13 Integral transforms 14 First-order ordinary differential equations 15 Higher-order ordinary differential equations 16 Series solutions of ordinary differential equations 17 Eigenfunction methods for differential equations 18 Partial differential equations: general and particular solutions 19 Partial differential equations: separation of variables and other methods 20 Complex variables 21 Tensors 22 Calculus of variations 23 Integral equations 24 Group theory 25 Representation theory 26 Probability 27 Statistics 28 Numerical methods Index

版权说明

本站所提供下载的PDF图书仅提供预览和简介, 请支持正版图书。

更多资源请访问:<http://www.tushu007.com>