

<<傅里叶分析及其应用>>

图书基本信息

书名：<<傅里叶分析及其应用>>

13位ISBN编号：9787030313775

10位ISBN编号：7030313771

出版时间：2011-6

出版时间：科学

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页数：269

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内容概要

A carefully prepared account of the basic ideas in Fourier analysis and its applications to the study of partial differential equations. The author succeeds to make his exposition accessible to readers with a limited background, for example, those not acquainted with the Lebesgue integral. Readers should be familiar with calculus, linear algebra, and complex numbers. At the same time, the author has managed to include discussions of more advanced topics such as the Gibbs phenomenon, distributions, Sturm-Liouville theory, Cesaro summability and multi-dimensional Fourier analysis, topics which one usually does not find in books at this level. A variety of worked examples and exercises will help the readers to apply their newly acquired knowledge.

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