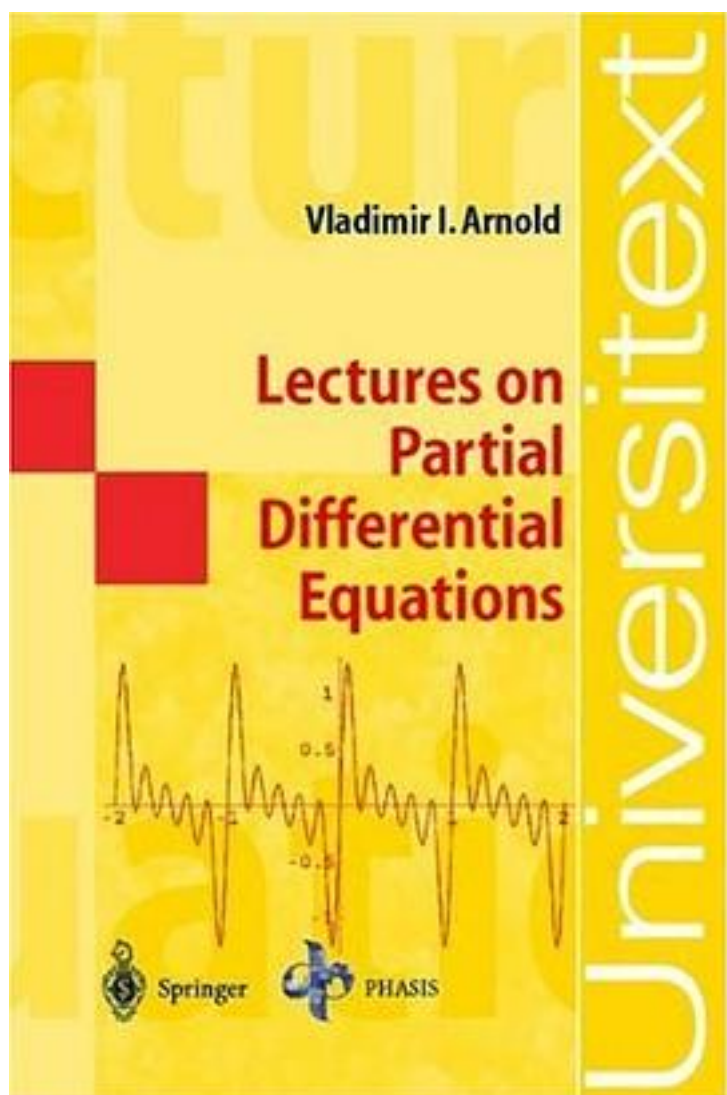


# Lectures on Partial Differential Equations (Universitext)



[Lectures on Partial Differential Equations \(Universitext\) 下载链接1](#)

著者:Vladimir I. Arnold

出版者:Springer

出版时间:2004-1-22

装帧:Paperback

isbn:9783540404484

Like all of Vladimir Arnold's books, this book is full of geometric insight. Arnold illustrates every principle with a figure. This book aims to cover the most basic parts of the subject and confines itself largely to the Cauchy and Neumann problems for the classical linear equations of mathematical physics, especially Laplace's equation and the wave equation, although the heat equation and the Korteweg-de Vries equation are also discussed. Physical intuition is emphasized. A large number of problems are sprinkled throughout the book, and a full set of problems from examinations given in Moscow are included at the end. Some of these problems are quite challenging!

What makes the book unique is Arnold's particular talent at holding a topic up for examination from a new and fresh perspective. He likes to blow away the fog of generality that obscures so much mathematical writing and reveal the essentially simple intuitive ideas underlying the subject. No other mathematical writer does this quite so well as Arnold.

作者介绍:

目录:

[Lectures on Partial Differential Equations \(Universitext\) 下载链接1](#)

标签

偏微分方程

数学物理方法

Arnold

数学

想买

微分方程

偏微分方程7

评论

作者在成立IUM时期讲座的整理，包括Yujil Ilyashenko,和Khovanskii两位教授的参与，可以视为Arnold school的代表作。PS:并不易读。

-----  
[Lectures on Partial Differential Equations \(Universitext\) 下载链接1](#)

书评

-----  
[Lectures on Partial Differential Equations \(Universitext\) 下载链接1](#)