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Partial Differential Equations

An Unhurried Introduction

By Vladimir A. Tolstykh

ABOUT THE BOOK

This is a clear, rigorous and self-contained introduction to PDEs for a semester-based course on the topic. For the sake of smooth exposition, the book keeps the amount of applications to a minimum, focusing instead on the theoretical essentials and problem solving. The result is an agile compendium of theorems and methods - the ideal companion for any student tackling PDEs for the first time.

- Comprehensive introduction to the theory of PDEs.
- Reader-friendly rigour throughout.
- Systematic use of modern mathematical software.

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- Chapter 2. Change of variables in PDEs
- Chapter 3. First-order linear equations
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