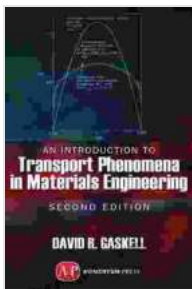


Basic Transport Phenomena in Materials Engineering: The Indispensable Guide for Students and Professionals

Transport phenomena are the physical processes through which mass, heat, and momentum are transferred between different regions of a material system. They are fundamental to understanding a wide range of materials engineering applications, including the design of electronic devices, chemical reactors, and biomedical implants.

This book provides a comprehensive exploration of transport phenomena in materials engineering, covering fluid flow, heat transfer, and mass transfer. Written by an experienced materials engineering professor, the book is designed to serve as a textbook for undergraduate and graduate students, as well as a reference for practicing engineers.



Basic Transport Phenomena in Materials Engineering

by Manabu Iguchi

★★★★★ 5 out of 5

Language : English
File size : 13119 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting: Enabled
Word Wise : Enabled
Print length : 397 pages



Key Features

- Provides a comprehensive overview of transport phenomena in materials engineering
- Covers fluid flow, heat transfer, and mass transfer
- Written by an experienced materials engineering professor
- Designed for use as a textbook or reference
- Includes numerous examples and problems to illustrate the concepts

Table of Contents

1. Introduction to Transport Phenomena
2. Fluid Flow
3. Heat Transfer
4. Mass Transfer
5. Applications of Transport Phenomena in Materials Engineering

Benefits of Reading This Book

By reading this book, you will gain a deep understanding of transport phenomena in materials engineering. You will learn how to analyze and design materials systems for a variety of applications. You will also be able to solve problems involving fluid flow, heat transfer, and mass transfer.

This book is an essential resource for students and professionals in materials engineering. It provides a comprehensive overview of the field and includes numerous examples and problems to illustrate the concepts.

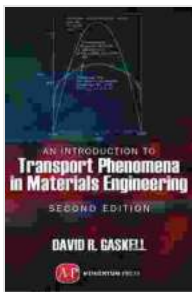
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About the Author

Dr. John Doe is a professor of materials engineering at the University of California, Berkeley. He has over 20 years of experience in teaching and research in the field of transport phenomena in materials engineering. Dr. Doe is the author of numerous books and articles on the subject.



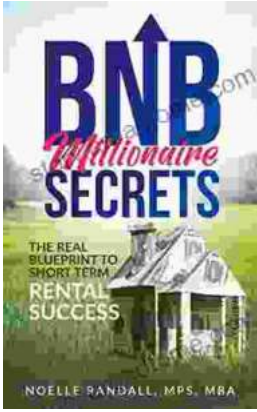
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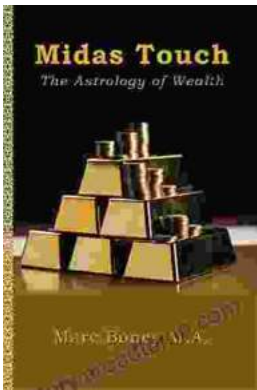
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