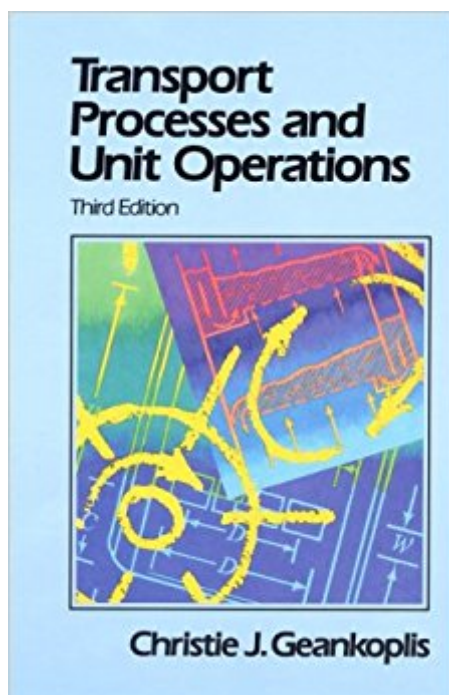


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Transport Processes And Unit Operations (3rd Edition)



Synopsis

This up-to-date revision provides a modern, unified treatment of basic transport processes and a comprehensive treatment of unit operations.

Book Information

Hardcover: 921 pages

Publisher: Prentice Hall PTR; 3 Sub edition (March 5, 1993)

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Average Customer Review: 4.3 out of 5 stars 12 customer reviews

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Transportation > Engineering > Chemical > Unit Operations & Transport Phenomena #514

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Customer Reviews

Revision of successful textbook for two-semester (junior/senior) course called transport phenomena (or processes) and with operations. Significant unit changes include the addition of a section on adsorption, chapter on membrane separation, and more complete coverage of fluid mechanics.

This new third edition provides a modern, unified treatment of the basic transport processes of momentum, heat, and mass transfer, as well as a broad treatment of the unit operations of chemical engineering. Coverage includes the latest membrane separation processes; discussion of bioprocesses; comprehensive treatment of the transport processes of momentum, heat, and mass transfer; adsorption processes; and more. A useful, up-to-date reference for practicing chemical engineers, agricultural engineers, food scientists, environmental engineers, biochemical engineers, and others who work in the process industries.

Very useful information for several of my Chemical Engineering classes. It even has information such as heat transfer coefficients for food items, so you could use this for calculating baking times if you wanted to totally geek out.

This is like three books in one. I used McCabe for Unit Ops, Treybal for Mass transfer and BSL for Transport Phenomena. This book is a good replacement for all three. Good worked out examples and good discussion. Highly Recommended

Very good, as described product. Very useful, helpful tool for multiple chemical engineering courses. Have used more than a couple times as a quick reference.

is well

One of the best books I used in graduation and I found a miracle to buy it for such a low price. It didn't come with the CD but the book was nearly new. I couldn't be happier. It covers most of the Unit Operations used in undergraduate. Also the chapters structure is easy to follow, so as the technical part. The examples and proposed problems are worth a look, too. I really recommend this for any chemical engineering student.

Still use this book 20 years after graduating. My Unit Ops lab was actually taught by Christie. Amazing man.

If you want to learn chemical engineering transfer and unit ops, this is NOT the book. The subject matter is complex to begin with and coupling this with a difficult text and non-stop equations, constants, and symbols, further compounds the difficulty in learning this material. Nothing is explained, so a firm understanding of heat transfer and fluid flow is needed from the onset. Examples of problems are given, but steps are skipped, and it is hard to follow how the solutions are obtained. If this is a required text for your course, be prepared for a long, long semester!

I Found this book to be great, and attending one of only two schools in the nation that has a unit operations lab with several pilot plants right in the chemical engineering building, it was an indispensable resource. The examples were great the text was easy to use, and even the price wasn't bad. Next to Perry's this book is the most important chem E book of the arsenal. I feel sorry for those who didn't like this text. It is quite possibly some of the easiest to read and learn from text I have ever had the pleasure to work with.

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