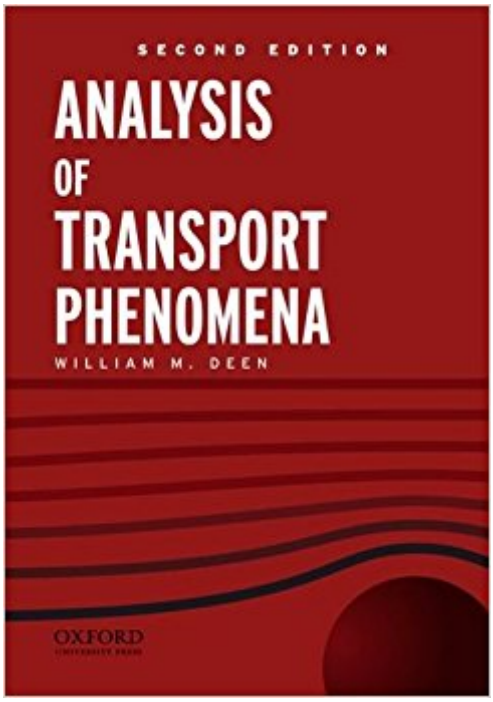
Analysis Of Transport Phenomena (Topics In Chemical Engineering)



Synopsis

Analysis of Transport Phenomena, Second Edition, provides a unified treatment of momentum, heat, and mass transfer, emphasizing the concepts and analytical techniques that apply to these transport processes. The second edition has been revised to reinforce the progression from simple to complex topics and to better introduce the applied mathematics that is needed both to understand classical results and to model novel systems. A common set of formulation, simplification, and solution methods is applied first to heat or mass transfer in stationary media and then to fluid mechanics, convective heat or mass transfer, and systems involving various kinds of coupled fluxes.FEATURES:* Explains classical methods and results, preparing students for engineering practice and more advanced study or research* Covers everything from heat and mass transfer in stationary media to fluid mechanics, free convection, and turbulence* Improved organization, including the establishment of a more integrative approach* Emphasizes concepts and analytical techniques that apply to all transport processes* Mathematical techniques are introduced more gradually to provide students with a better foundation for more complicated topics discussed in later chapters

Book Information

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Customer Reviews

"Deen is the gold standard for teaching graduate-level transport phenomena to chemical engineers." -Yossef Elabd, Drexel University

Professor William M. Deen is the Carbon P. Dubbs Professor of Chemical Engineering at the Massachusetts Institute of Technology.

The book is very comprehensive and covers all mathematical methods to solves the transport problem. It also gives a clear explanation on the method of Finite Fourier Transform. Overall, this is the best book for graduate study.

Great transport textbook I would highly recommend to Chemical Engineers (especially at the graduate level), or anyone else highly interested in transport and fluids. The language is concise, but the explanations are sufficient to get to complex topics with some heavy thinking on your own accord. Definitely a textbook I will keep in my library.

Nice book with extremely expensive price, which can make you feel sad about the value of knowledge.

That is what needed for my study. Still in good condition.

Extremely useful book for graduate students.

Excellent book.

really nice

Arrived on time in excellent condition super useful book. It only updates every few years, so you are not wasting your money on something you will have to buy a new version of, next semester

Phenomena in Biomedical Engineering Computational Transport Phenomena of Fluid-Particle Systems (Mechanical Engineering Series) Basic Transport Phenomena in Biomedical Engineering, Fourth Edition Basic Transport Phenomena in Biomedical Engineering,Third Edition (500 Tips) An Introduction to Transport Phenomena in Materials Engineering Analysis of Transport Phenomena (Edn 2) By William M. Deen Analysis of Transport Phenomena (2nd Edition) [Paperback] Advanced Transport Phenomena: Analysis, Modeling, and Computations Unit Operations of Chemical Engineering (7th edition)(McGraw Hill Chemical Engineering Series) Fluid Mechanics for Chemical Engineers (UK Higher Education Engineering Chemical Engineering) Introduction to Chemical Engineering Thermodynamics (The Mcgraw-Hill Chemical Engineering Series) Fundamentals of Chemical Engineering Thermodynamics (Prentice Hall International Series in the Physical and Chemical Engineering Sciences) Basic Principles and Calculations in Chemical Engineering (8th Edition) (Prentice Hall International Series in the Physical and Chemical Engineering Sciences)