

Analysis of Transport Phenomena (Paperback)

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Reviews

Comprehensive information! Its this sort of very good read through. This is certainly for all those who statte that there was not a worthy of studying. Your daily life period will likely be convert as soon as you total reading this publication. (Candace Kling)

ANALYSIS OF TRANSPORT PHENOMENA (PAPERBACK)



Oxford University Press Inc, United States, 2012. Paperback. Condition: New. 2nd Revised edition. Language: English . Brand New Book. 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 NEW TO THIS EDITION: New chapters and sections clarify and expand upon the first edition * Based largely on teaching experience with the first edition, the entire text has been reviewed in detail, and innumerable minor revisions made to improve clarity. * There is a larger set of introductory examples (Chapter 3) * The presentation of similarity and perturbation methods is now a separate chapter (Chapter 4). * The discussion of fluid kinematics and constitutive equations has been reorganized (Chapter 6). * The discussion of simultaneous heat and mass transfer has been expanded (Chapter 14). A new appendix section...

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