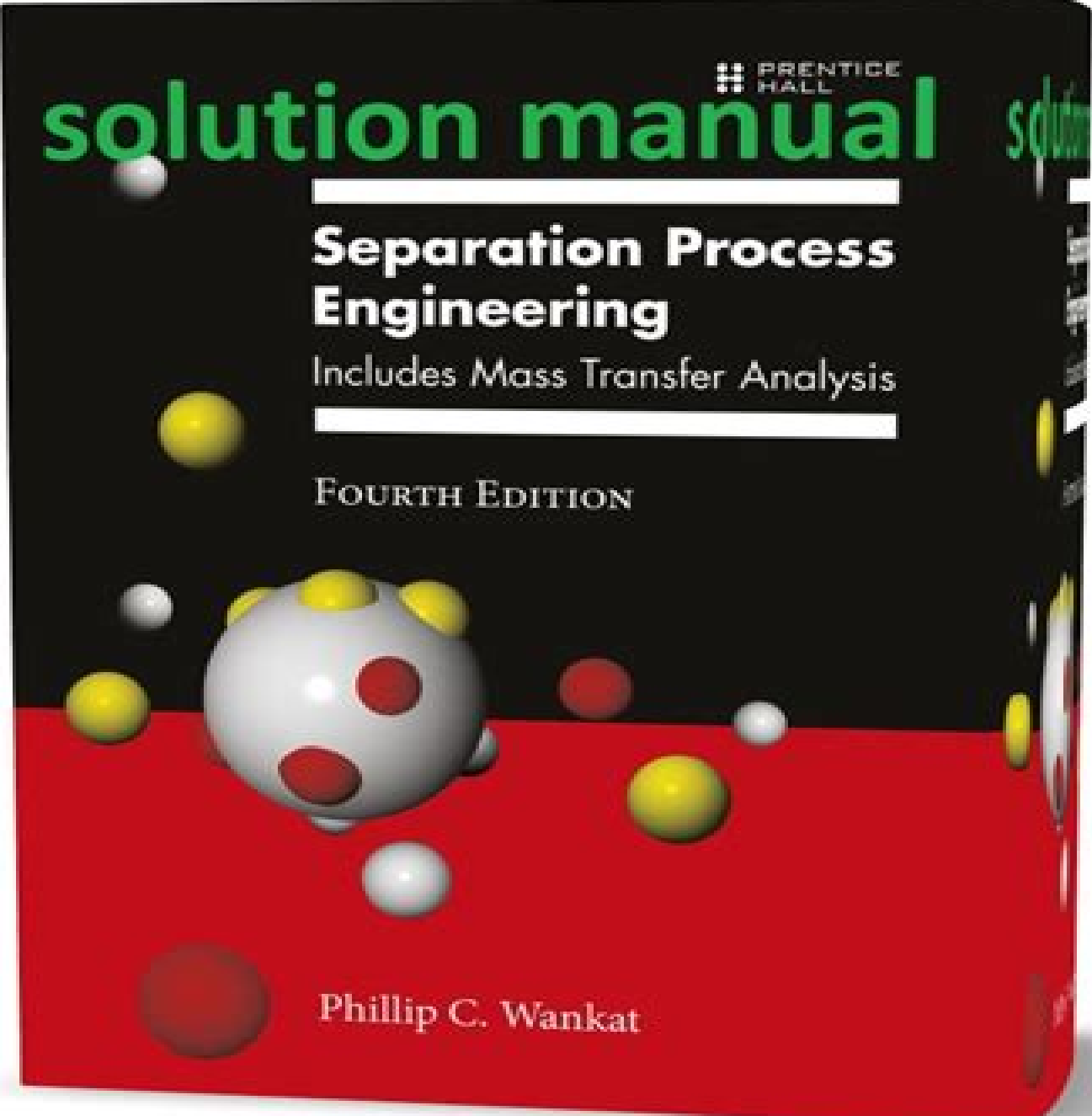


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Solutions manual to accompany separation processes Cary Judson King, 1974 **Thermal Separation**

Processes Klaus Sattler, Hans Jacob Feindt, 2008-07-11 This much needed book presents a clear and very practice oriented overview of thermal separation processes An extensive introduction elucidates the physical and physicochemical fundamentals of different unit operations used to separate homogenous mixtures This is followed by a concise text with numerous explanatory figures and tables referring to process and design flowsheets basic engineering and examples of separation process applications Very helpful guidance in the form of process descriptions calculation models and operation data is presented in an easy to understand manner thereby assisting the practicing engineer in the choosing and evaluation

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total of 16 chapters of the text INTRODUCTION TO ANALYSIS AND DESIGN OF EQUILIBRIUM STAGED SEPARATION PROCESSES For the convenience of the readers the practice problems given in the text have been restated before providing the solution Rate-controlled Separations Phillip C. Wankat,1994 Separations have always been very important in chemical engineering This importance has escalated with the emergence of new industries in biotechnology and high performance materials Separations will continue to remain important in bulk chemical manufacturing petroleumprocessing and the other standard areas of interest in chemical engineering This book covers separation processes which require a rate analysis for complete understanding This includes most of the newer separation methods Problem solving is emphasized throughout A level of mathematical analysis is required and an understanding of mass transfer is assumed The book starts with crystallization which is essentially equilibrium based The author then considers sorption separations which can be but seldom are operated as equilibrium staged systems and membrane separations which are inherently rate processes Finally there is a progress report on selection and sequencing of separations The book is directed at senior undergraduate and graduate students of chemical engineering

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