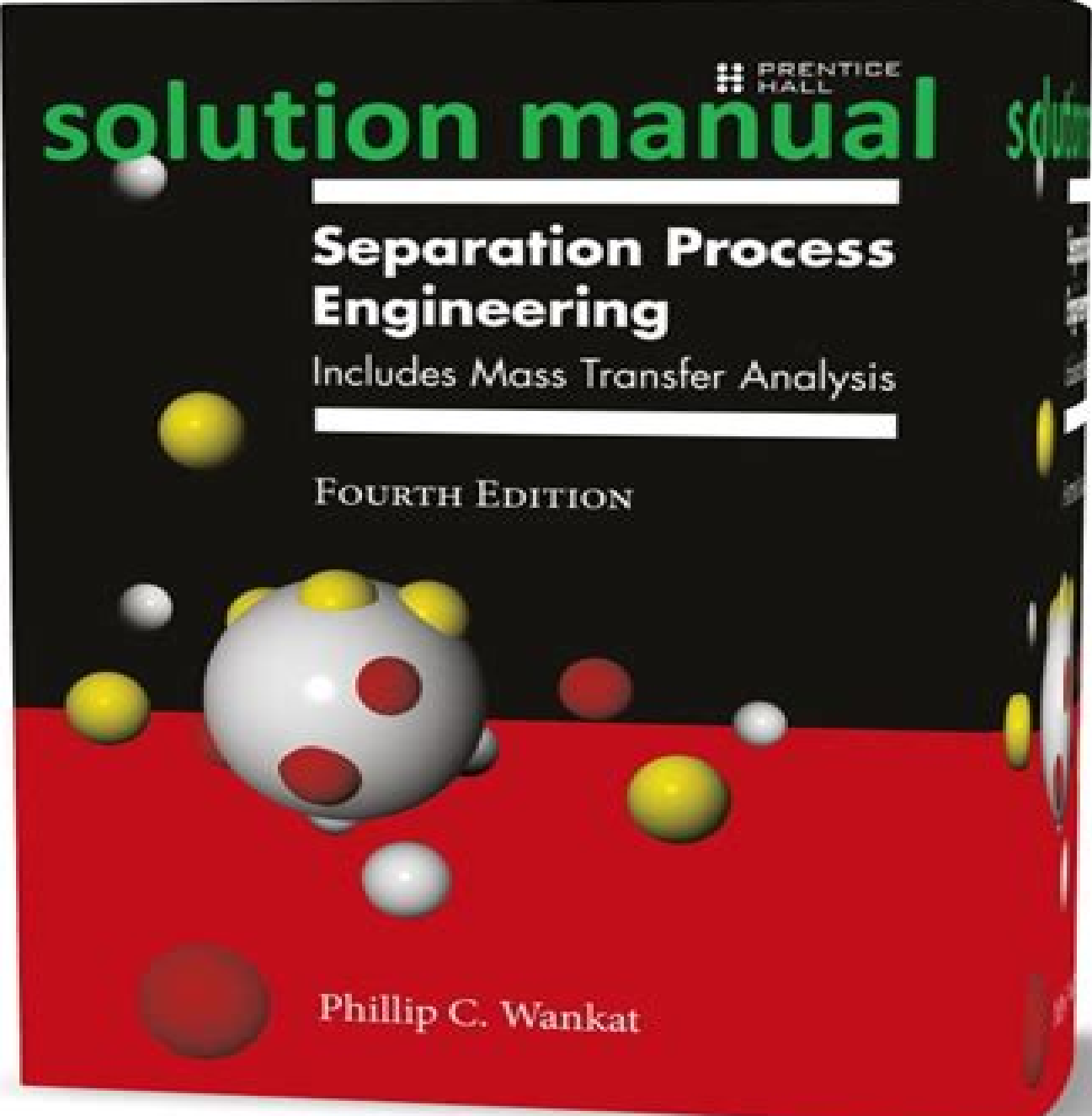


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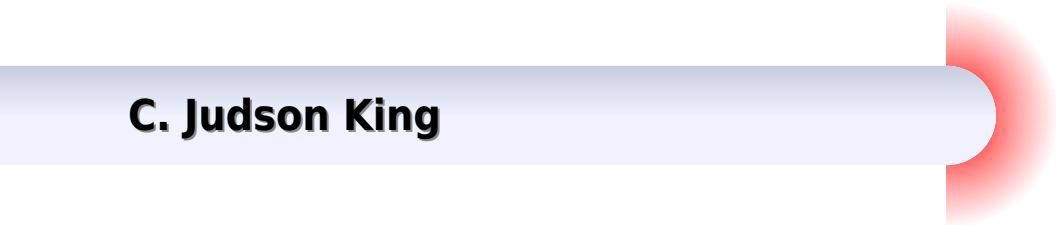
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King,2013-12-18 Originally published New York McGraw Hill 1971 2nd ed Includes a new introduction **Desalination**,1991 **Mathematical Modeling and Scale-up of Liquid Chromatography** Tingyue Gu,2012-12-06 Liquid chromatography has proved to be one of the most important tools for separations Rapid development in biotechnology has increased the demand for chromatography in analytical preparative and large scale applications The understanding of the dynamics of chromatography is imperative for the scale up This book is a systematic treatment of the general rate models for various forms of liquid chromatography including adsorption size exclusion affinity reversed phase hydrophobic interaction and radial flow chromatography Thermodynamic and mass transfer effects in liquid chromatography are discussed Applications of computer programs for the rate models are described and the procedures for the scale up of preparative and large scale liquid chromatography using the general rate models are given *Chemical Engineering Education* ,1999

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