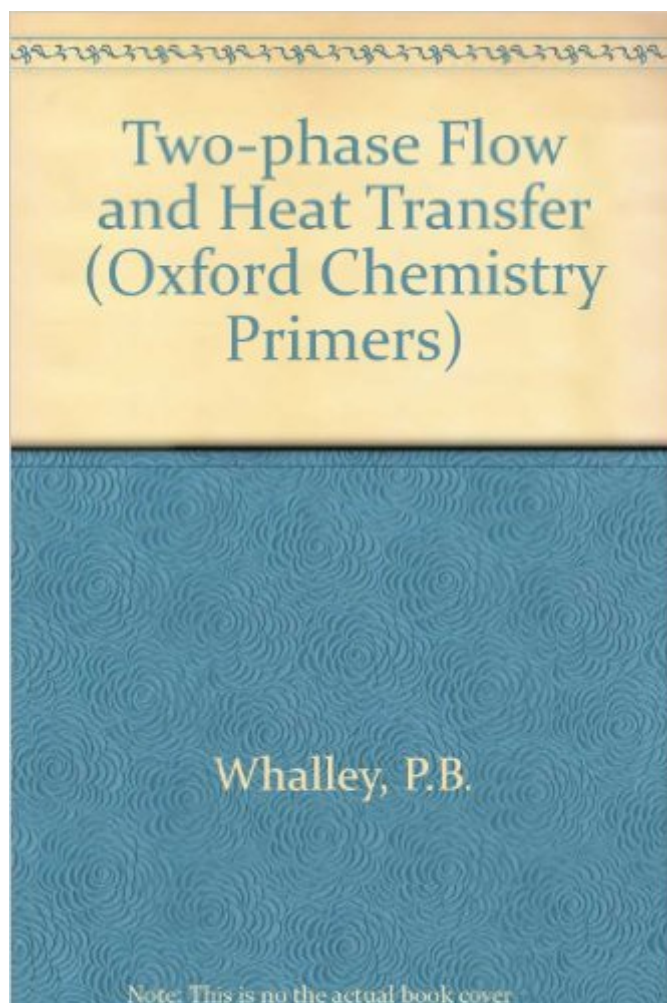


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Two-Phase Flow And Heat Transfer (Oxford Chemistry Primers)



Synopsis

This concise and heavily illustrated book is exclusively concerned with gas-liquid two-phase flows. The first part deals with adiabatic flows, that is flows without the addition or removal of heat. Topics include flow pattern maps and homogenous flow. The second part deals with heat-transfer in two-phase flows: boiling and condensation. It is concerned with issues like pressure drop flow, flooding, the drift flux model, and nucleation. The various types of heat transfer are identified and methods to calculate them are provided. Two-phase flow and heat transfer processes are commonly encountered in heat exchanges (distillation and condensation) and in pipelines. The book is intended for readers interested in chemical and mechanical engineering.

Book Information

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