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Interfacial Transport Phenomena



Synopsis

Interfacial Transport Phenomena refers to momentum, energy, mass, and entropy transfer within the immediate neighborhood of a phase interface. It includes such specific topics as the distribution of a surface- active species, interfacial tension and its gradient, the interfacial viscosities, interfacial thermodynamics, London-van der Waals forces, electrostatic forces, as well as many specific applications. The dominant theme is the translation of physical problems into mathematical terms. This book is written for the advanced student of transport phenomena. The emphasis is upon achieving an in-depth understanding based upon first principles. It is designed to prepare the reader for active research. It includes exercises and answers, and can serve as a graduate level textbook.

Book Information

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Customer Reviews

I have most of the books written by J. Slattery. This book follows a very similar theme. You are expected to have a strong background in the area, maybe from reading his previous books? I would not recommend this book if you are looking for general information about transport phenomena.

Very Good!

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