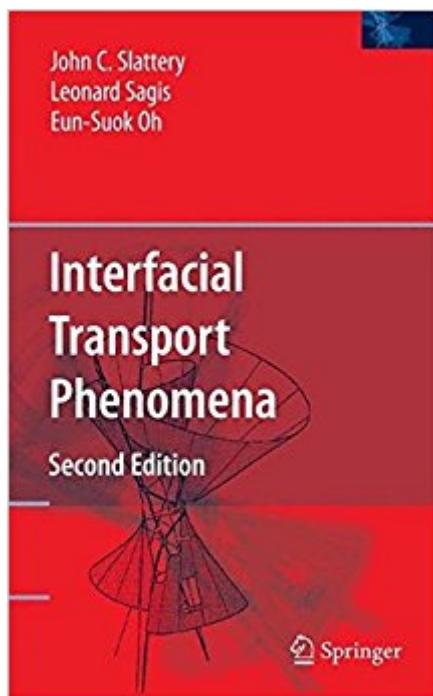


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Interfacial Transport Phenomena



Synopsis

This is an extensively revised second edition of "Interfacial Transport Phenomena", a unique presentation of transport phenomena or continuum mechanics focused on momentum, energy, and mass transfer at interfaces. It discusses transport phenomena at common lines or three-phase lines of contact. The emphasis is upon achieving an in-depth understanding based upon first principles. It includes exercises and answers, and can serve as a graduate level textbook.

Book Information

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Customer Reviews

From the reviews of the second edition: "This book provides a solid fundamental and comprehensive presentation of the transport phenomena, pointing out the most important practical applications of the problems described. It is very well written and readable. Results of the exercises are given graphically and in tabular form. The book will be of interest and useful to a wide range of specialists working in the area of transport phenomena, and to advanced students of transport phenomena. It is recommended as a text for seminars and courses, as well as for independent study." (Ioan Pop, Zentralblatt MATH, Vol. 1116 (18), 2007)

This is an extensively revised second edition of Interfacial Transport Phenomena, a unique presentation of transport phenomena or continuum mechanics focused on momentum, energy, and mass transfer at interfaces. In addition to tightening the focus of the book there are two important additions: an extended discussion of transport phenomena at common lines or three-phase lines of

contact, as well as a new theory for the extension of continuum mechanics to the nanoscale region immediately adjacent to the interface. Applications and supporting experimental data are provided and discussed in detail. 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.

Very Good!

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.

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