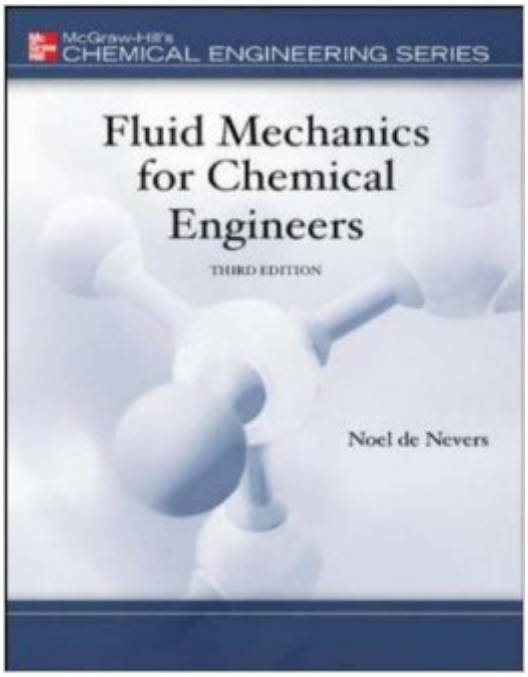
Fluid Mechanics For Chemical Engineers (McGraw-Hill Chemical Engineering)



Synopsis

Fluid Mechanics for Chemical Engineers, third edition retains the characteristics that made this introductory text a success in prior editions. It is still a book that emphasizes material and energy balances and maintains a practical orientation throughout. No more math is included than is required to understand the concepts presented. To meet the demands of today's market, the author has included many problems suitable for solution by computer. Two brand new chapters are included. The first, on mixing, augments the book's coverage of practical issues encountered in this field. The second, on computational fluid dynamics (CFD), shows students the connection between hand and computational fluid dynamics.

Book Information

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Average Customer Review: 3.4 out of 5 starsÂ Â See all reviewsÂ (12 customer reviews)

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Customer Reviews

This book is bad.In equation developments, it uses cartesian coordinates in a funky way. It changes them! This might not be a problem, but this book uses coordinate systems that don't follow the right-hand rule. For me this was very disturbing, because throughout my education the right-hand rule for coordinate systems was God's word.Another thing is the example problems. When the book shows you the solution, it jumps right into numbers, without even showing you the symbolic development, or what numbers represent what variables. It expects you to infer this from the units!N.B. I've only read the first 50 pages or so of this book, and my frustration led me to write this review. My opinions aren't supported with a complete sense of the book. Then again, the fact that

even the elementary, development part of the book frustrates me could show just how bad this book will become in the latter parts.

Having this textbook for my fluids class made me really love fluid mechanics. You can tell that De Nevers really loves the subject too, because the book is actually fun and interesting to read, unlike my horrible wordy Kinetics book. De Nevers has a great writing voice and a good sense of humor; I laughed without feeling embarrassed (unlike with my cheesy, hackneyed Kinetics book).This book does a good job explaining the concepts of fluid mechanics by providing enough background to understand concepts without being cluttered with information.I highly recommend this book. It's been my favorite textbook so far in college.

worst fluid book as far as the knowledge i gained from this book and the questions on the exam compared to the book it's worthless thanks mcgrow hill for the great chE series !

Couldn't resell it in the US. Was told that it's illegal. Otherwise it had all the same material as the US edition.

how do you rate a mandated text book? Its a love/hate relationship.

I bought the 1st ed. (1970) which suprisingly seems identical in much of the content to the 3rd (2004) as a suppliment to a truely horrible book. This book seems to elaborate on many topics, qualitative and quantitative, that either aren't covered or only "covered" in other books. Not sure why its "for Chemical Engineers" as much of the material seems to be general fluid mechanics applicable to many other fields.

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