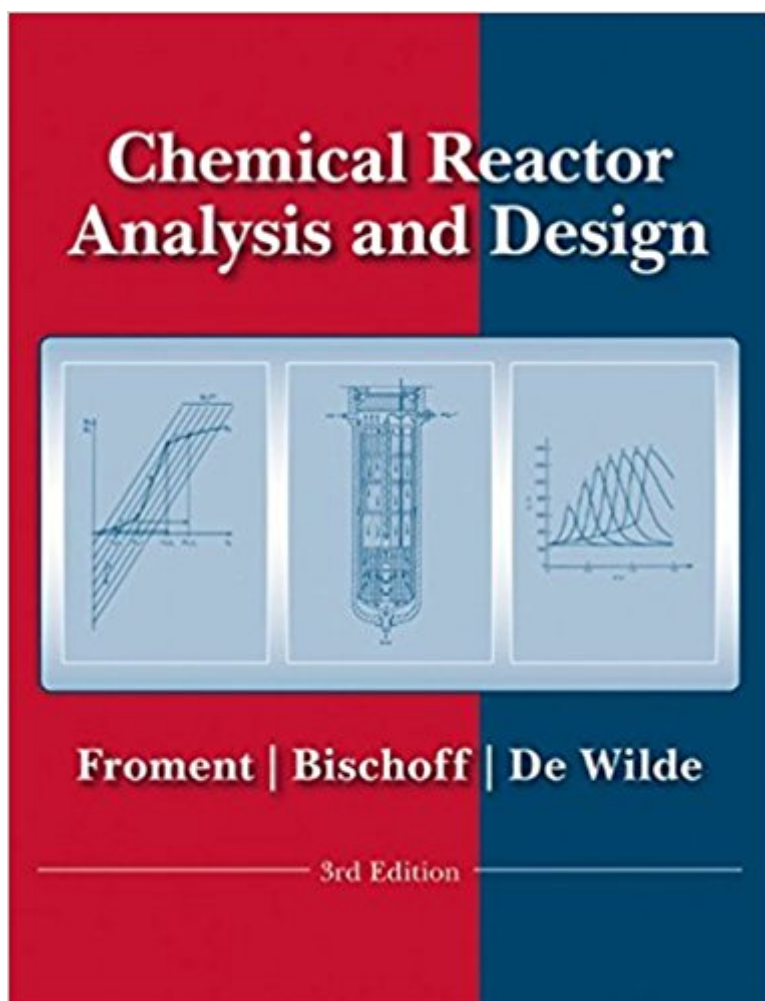




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Chemical Reactor Analysis And Design



Synopsis

This is the Third Edition of the standard text on chemical reaction engineering, beginning with basic definitions and fundamental principles and continuing all the way to practical applications, emphasising real-world aspects of industrial practice. The two main sections cover applied or engineering kinetics, reactor analysis and design. Includes updated coverage of computer modeling methods and many new worked examples. Most of the examples use real kinetic data from processes of industrial importance.

Book Information

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Customer Reviews

Extremely challenging text book with advanced methods for reactor modeling. Would make a good supplemental text to an advanced course in chemical engineering but is too vague and complicated to be thoroughly understood. You need about 5 other texts or reference books to do anything with this as it has no Appendix, the index is crap, and many of the equations have poorly defined variables when they are defined at all. A serious revision to this book could do it a lot of good. A decent appendix and better definition of variables would go a long way. Right now I am stuck on a problem that has a variable that looks like a diffusivity but no where in the book does it define what type or how it fits into the context of the problem. It is very frustrating. Also in another problem I think in Chapter 1 you need to reference an article from the 1940's. Good luck finding that, (Yes we checked the University's library and several on-line sources, we ended up finding a more complete reference to it that took the time to explain it in Fogler). Professor's please do not torture your grad students with this text unless you can provide them clear notes that can back up all the holes in it. Oh and I

almost forgot, there are several equations given in problems that are dimensionally inconsistent and/or give bad data with the wrong units.

Just what I need for my class, pretty good condition

Great book covering chemical reaction engineering. It focuses mainly on kinetics of heterogeneous gas-solid type but contains some material about homogeneous reactions and ideal reactors with many industrial examples. However, I don't recommend it for beginners, only for advanced reading.

Very good

I strongly recommend it, it met my expectations. I believe it will be a priceless resource to anyone related to Chemical process Engineering.

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