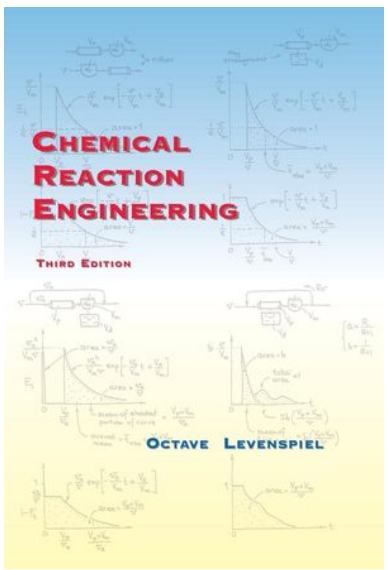

Chemical Reaction Engineering, 3rd Edition

Octave Levenspiel

E-Book	978-1-119-62870-5	November 2019	**$96.00**
Hardcover	978-0-471-25424-9	August 1998	**$257.95**

DESCRIPTION

***Chemical Reaction Engineering,* Third Edition** helps students learn how to answer reactor design questions reliably and effectively.

To accomplish this, the text emphasizes qualitative arguments, simple design methods, graphical procedures, and frequent comparison of capabilities of major reactor types. This approach helps students develop a strong intuitive sense for good design.

ABOUT THE AUTHOR

Octave Levenspiel was a professor of chemical engineering at Oregon State University. His principal interest was chemical reaction engineering, and he was the author of a major textbook Chemical Reaction Engineering as well as numerous research publications.

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• **New Problems.** 75% of the over 400 problems in the text are new. These problems help students apply the concepts presented in the text to new situations. Students will also find over 80 illustrative examples that reinforce the material.

FEATURES

• **Simple ideas are presented first and then extended to the more complex.** This progression helps students build a solid understanding of basic concepts before moving on to more difficult ones. Also, emphasis is placed throughout on the development of a common design strategy for all systems, homogeneous and heterogeneous.

• **The text is written in a student-friendly style.** Where needed, time is taken to consider why certain assumptions are made, to discuss why an alternative approach is not used, and to indicate the limitations of the treatment when applied to real situations. The mathematical level required for the text is elementary calculus and the linear first-order differential equation.