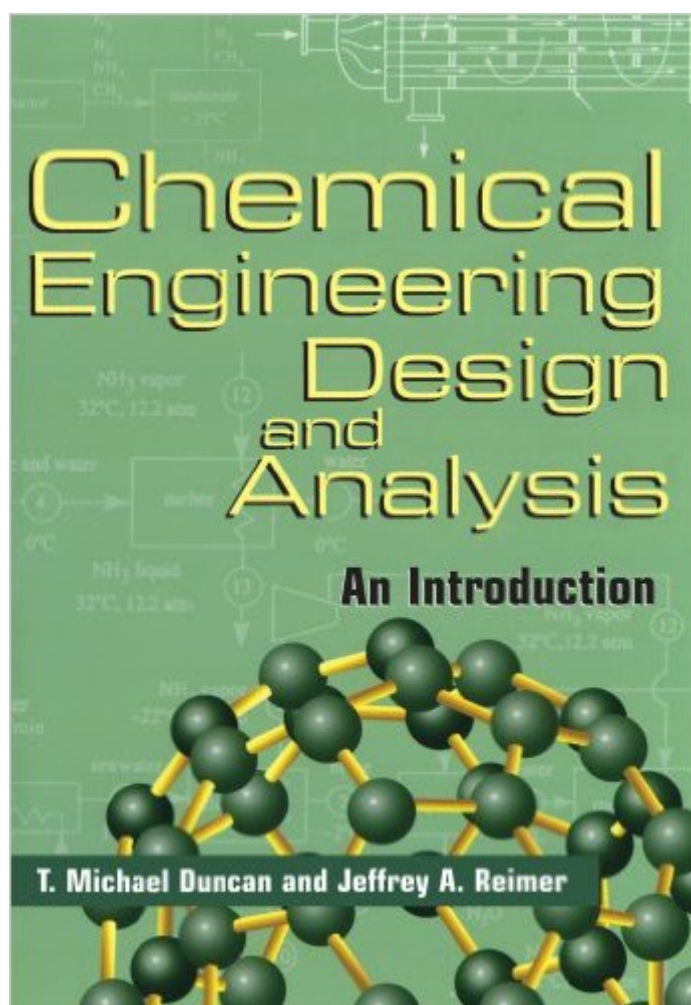


The book was found

Chemical Engineering Design And Analysis: An Introduction (Cambridge Series In Chemical Engineering)



Synopsis

Students taking their first chemical engineering course plunge into the "nuts and bolts" of mass and energy balances, often missing the broad view of what chemical engineers do. This innovative text offers a well-paced introduction to chemical engineering. The text helps students practice engineering. They are introduced to the fundamental steps in design and three methods of analysis: mathematical modeling, graphical methods, and dimensional analysis. In addition, students apply engineering skills, such as how to simplify calculations through assumptions and approximations; how to verify calculations, significant figures, spreadsheets, graphing (standard, semi-log and log-log); and how to use data maps. It also describes the chemical engineering profession. Students learn engineering skills by designing and analyzing chemical processes and process units in order to assess product quality, economics, safety, and environmental impact. This text will help students develop engineering skills early in their studies and encourage an informed decision of whether to study chemical engineering. Solutions manual available.

Book Information

Series: Cambridge Series in Chemical Engineering

Paperback: 396 pages

Publisher: Cambridge University Press; 1 edition (August 28, 1998)

Language: English

ISBN-10: 0521639565

ISBN-13: 978-0521639569

Product Dimensions: 7 x 0.8 x 10 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 starsÂ Â See all reviewsÂ (1 customer review)

Best Sellers Rank: #114,917 in Books (See Top 100 in Books) #9 inÂ Books > Engineering & Transportation > Engineering > Design #42 inÂ Books > Textbooks > Engineering > Chemical Engineering #80 inÂ Books > Engineering & Transportation > Engineering > Chemical

Customer Reviews

This book presents the concepts of chemical engineering at a basic level for a student at the introductory level. Topics are discussed logically and concisely with an appropriate level of detail to give the student a solid foundation for further study. This book assumes only a basic high school level math and chemistry education. As a first year college student, I found the book extremely helpful. It explained the material in a clear and straightforward manner. I recommend this book to

any student interested in beginning a career in chemical engineering.

[Download to continue reading...](#)

Chemical Engineering Design and Analysis: An Introduction (Cambridge Series in Chemical Engineering) Analysis, Synthesis and Design of Chemical Processes (4th Edition) (Prentice Hall International Series in the Physical and Chemical Engineering Sciences) 4th (fourth) Edition by Turton, Richard, Bailie, Richard, Whiting, Wallace B., Shaei [2012] Analysis of Engineering Design Studies for Demilitarization of Assembled Chemical Weapons at Pueblo Chemical Depot (The Compass series) Thermodynamics and Statistical Mechanics: An Integrated Approach (Cambridge Series in Chemical Engineering) Polymer Melt Processing: Foundations in Fluid Mechanics and Heat Transfer (Cambridge Series in Chemical Engineering) The Cambridge Introduction to Postmodernism (Cambridge Introductions to Literature) The Cambridge Introduction to Russian Literature (Cambridge Introductions to Literature) Radiochemistry and Nuclear Methods of Analysis (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications) Analysis and Purification Methods in Combinatorial Chemistry (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications) Handbook of Petroleum Product Analysis (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications) Handbook of Coal Analysis (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications) Chemical Engineering Design, Second Edition: Principles, Practice and Economics of Plant and Process Design Chemical Engineering Design: Principles, Practice and Economics of Plant and Process Design Kinetics of Chemical Processes: Butterworth-Heinemann Series in Chemical Engineering Analysis of Aircraft Structures: An Introduction (Cambridge Aerospace Series) Medical and Para-medical Manuscripts in the Cambridge Genizah Collections (Cambridge University Library Genizah Series) The Principles of Chemical Equilibrium: With Applications in Chemistry and Chemical Engineering Fluid Mechanics for Chemical Engineers (McGraw-Hill Chemical Engineering) G.Dieter's Li.Schmidt's Engineering 4th (Fourth) edition(Engineering Design (Engineering Series) [Hardcover])(2008) An Introduction to Harmonic Analysis (Cambridge Mathematical Library)

[Dmca](#)