



Stoichiometry and Process Calculations

By B. Lakshmikutty,K.V. Narayanan

PHI Learning, 2009. Softcover. Book Condition: New. First edition. This textbook is designed for undergraduate courses in chemical engineering and related disciplines such as biotechnology, polymer technology, petrochemical engineering, electrochemical engineering, environmental engineering, safety engineering and industrial chemistry. The chief objective of this text is to prepare students to make analysis of chemical processes through calculations and also to develop in them systematic problem-solving skills. The students are introduced not only to the application of law of combining proportions to chemical reactions (as the word? stoichiometry? implies) but also to formulating and solving material and energy balances in processes with and without chemical reactions. The book presents the fundamentals of chemical engineering operations and processes in an accessible style to help the students gain a thorough understanding of chemical process calculations. It also covers in detail the background materials such as units and conversions, dimensional analysis and dimensionless groups, property estimation, P-V-T behaviour of fluids, vapour pressure and phase equilibrium relationships, humidity and saturation. With the help of examples, the book explains the construction and use of reference-substance plots, equilibrium diagrams, psychrometric charts, steam tables and enthalpy composition diagrams. It also elaborates on thermophysics and thermochemistry to acquaint the students...



Reviews

It is an incredible book which i actually have ever go through. it had been writtern extremely completely and helpful. You can expect to like the way the blogger publish this book. -- Prof. Jerad Lesch

The publication is great and fantastic. I actually have read through and i am sure that i am going to planning to go through yet again yet again down the road. I realized this pdf from my dad and i encouraged this publication to understand.

-- Jamarcus Runolfsson

Related Kindle Books



Love My Enemy

Andersen, UK, 2004. Softcover. Book Condition: New. First Edition. Available Now. Book Description: Zee (short for Zara) lives in a quiet suburb of Belfast, with an apparently idyllic family life. But Zee's father was shot dead in front of them all, and...



Skills for Preschool Teachers, Enhanced Pearson eText - Access Card

Pearson Education (US), United States, 2016. Online resource. Book Condition: New. 10th edition. 279 x 216 mm. Language: English . Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies other than Pearson,...

History of the Town of Sutton Massachusetts from 1704 to 1876 (Paperback)

Createspace, United States, 2015. Paperback. Book Condition: New. annotated edition. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****. This version of the History of the Town of Sutton Massachusetts from 1704 to 1876 is a labor...

Medical information retrieval (21 universities and colleges teaching information literacy education family planning)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Pages Number: 269 Publisher: Huazhong Pub. Date :2011-07-01 version 1. The Internet age. information waves. changing. Medical Information Retrieval. provides a...



Read Write Inc. Phonics: Purple Set 2 Non-Fiction 3 a Pet Goldfish (Paperback)

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. 129 x 112 mm. Language: N/A. Brand New Book. These decodable non-fiction books provide structured practice for children learning to read. Each set of books is carefully levelled to match childrens growing...



The Turn of the Screw (Paperback)

Dover Publications Inc., United States, 2013. Paperback. Book Condition: New. Reprinted edition. 202 x 128 mm. Language: English . Brand New Book. For lucidity and compactness of style, James s short novels, or novelles, are shining examples of his genius. Few other...