Problem Solving in Chemical and Biochemical Engineering with POLYMATH, Excel, and MATLAB (Paperback)

By Michael B. Cutlip, Mordechai Shacham

Pearson Education (US), United States, 2007. Paperback. Condition: New. 2nd edition. Language: English . Brand New Book ***** Print on Demand *****. Problem Solving in Chemical and Biochemical Engineering with POLYMATH (TM), Excel, and MATLAB (R), Second Edition, is a valuable resource and companion that integrates the use of numerical problem solving in the three most widely used software packages: POLYMATH, Microsoft Excel, and MATLAB. Recently developed POLYMATH capabilities allow the automatic creation of Excel spreadsheets and the generation of MATLAB code for problem solutions. Students and professional engineers will appreciate the ease with which problems can be entered into POLYMATH and then solved independently in all three software packages, while taking full advantage of the unique capabilities within each package. The book includes more than 170 problems requiring numerical solutions.This greatly expanded and revised second edition includes new chapters on getting started with and using Excel and MATLAB. It also places special emphasis on biochemical engineering with a major chapter on the subject and with the integration of biochemical problems throughout the book. General Topics and Subject Areas, Organized by ChapterIntroduction to Problem Solving with Mathematical Software PackagesBasic Principles and CalculationsRegression and Correlation of DataIntroduction to Problem Solving with...

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