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MATLAB SOLUTIONS TO THE CHEMICAL ENGINEERING PROBLEM SET1 Joseph Brule, John Widmann, Tae Han, Bruce Finlayson2 Department of Chemical Engineering, Box 351750 University of Washington Seattle, Washington 98195-1750 INTRODUCTION These solutions are for a set of numerical problems in chemical engineering.

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ML-1 MATLAB SOLUTIONS TO THE CHEMICAL ENGINEERING PROBLEM SET 1 Joseph Brule, John Widmann, Tae Han, Bruce Finlayson 2 Department of Chemical Engineering, Box 351750 University of Washington Seattle, Washington 98195-1750 INTRODUCTION These solutions are for a set of numerical problems in chemical engineering. The problems were developed by Professor Michael B. Cutlip of the University of ...

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2. Now check your result using Matlab. (Simply copy the code, paste in Matlab and run it) Exercise 3. Let's consider a cone. Write a Matlab program that computes the volume of a cone. Here is the formula you should be using. Where r is the radius of the base and h is the height. Write a Matlab program that finds the radius of a cone.

Matlab Exercises - Tutorial45

\Introduction to MATLAB for Engineering Students" is a document for an introductory course in MATLAB°R 1 and technical computing. It is used for freshmen classes at North-western University. This document is not a comprehensive introduction or a reference man-ual. Instead, it focuses on the specific features of MATLAB that are useful for ...

INTRODUCTION TO MATLAB FOR ENGINEERING STUDENTS

Using MATLAB, it is possible to balance equations describing all kinds of chemical transformations, including acid-base reactions, redox reactions, electrochemical half-reactions, combustion reactions, and synthetic reactions. MATLAB is especially convenient for balancing chemical equations that are difficult to treat by traditional methods.

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Polymath Problem Solving Book

Numerical Methods for Chemical Engineers: A MATLAB-based Approach Raymond A. Adomaitis Department of Chemical & Biomolecular Engineering and Institute for Systems Research

Numerical Methods for Chemical Engineers

MATLAB, with a chapter or two on some programming concepts, and those that cover only the programming constructs without mentioning many of the built-in functions that make MATLAB efficient to use. Someone who learns just the built-in functions will be well-prepared to use MATLAB, but would not understand basic programming concepts.

Matlab: a Practical Introduction to

Problem Solving in Chemical and Biochemical Engineering with POLYMATH™, Excel, and MATLAB®, 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.

Amazon.com: Problem Solving in Chemical and Biochemical ...

Matlab is a matrix-based mathematical software package that is used in several ChE classes including ChE465, Kinetics and Reactor Design, ChE480 Process Control& Laboratory, and ChE475 Computational Methods. It may also be useful in ChE310 as well as other ChE and other courses e.g. P-Chem.

Guide to Matlab (v2.1.1) - University of Washington

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