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MATLAB Exercises | Numerical Computation for Mechanical ...

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

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Exercise 6: Use MATLAB to write an audio waveform (8 kHz sampling frequency) that contains a sequence of nine tones with frequencies 659, 622, 659, 622, 659, 494, 587, 523, and 440 Hz. Then add to this waveform a copy of itself in which every other sample has

Introduction to MATLAB { exercises and solution notes

CHAPTER 1 MATLAB EXERCISES 1-1 CHAPTER 1 MATLAB EXERCISES 1. Consider the linear system of Example 7 in Section 1.2. (a) Use the MATLAB command rref to solve the system. (b) Let A be the coefficient matrix, and B be the right-hand side of the system. Use the MATLAB command A\B to solve the system. 2.

MATLAB EXERCISES - Cengage

CME 102 Matlab Workbook 2008-2009 3/55 1 Matlab Basics 1.1 Matrix and Vector Creation Commands:; Placed after a command line to suppress the output. eye(m,n) Creates an m n matrix with ones on the main diagonal and ze-ros elsewhere (the main diagonal consists of the elements with equal row and column numbers). If m = n, eye(n) can be used ...

Matlab Workbook - Mechanics and Computation

Sample Problems from Solving Statics Problems in MATLAB by Brian D. Harper Ohio State University Solving Statics Problems in MATLAB is a supplement to the textbook Engineering Mechanics: Statics (5th Edition) by J.L. Meriam and L.G. Kraige, Wiley, 2001.

Sample Problems from Solving Statics Problems in MATLAB

MATLAB Exercises cover all important theoretical concepts, methodological procedures, and solution tools in electromagnetic fields and waves for undergraduates – in electrostatic fields, steady electric currents, magnetostatic fields, slowly time-varying (low-frequency) electromagnetic fields, rapidly time-varying (high-

MATLAB R Exercises (for Chapters 1-14)

As the name implies, MATLAB is a program for doing matrix calculations. Thus, internally, x is really a row matrix and operations such as multiplication or division are taken, by default, to be matrix operations. Thus, MATLAB takes the

Solving Dynamics Problems in MATLAB - Homepage | Wiley

5 33. We create a vector z = ones(1,10); and de ne some intervals of z to be zero. The intervals are stored in vectors a and b where a contains the start indices and b the end indices

Exercises for MATLAB Course - Aalborg Universitet

which contains the completed scripts and functions for the assigned Matlab Exercises Recitation 1: all the scripts should be in a single file, with each script preceded by a comment line which indicates the exercise number; each function .m file should contain a comment line which indicates the exercise number. 1.

Matlab Recitation 1 2.086 2012 - MIT OpenCourseWare

MATLAB window. Then click on the EDITOR tab. In the editor, find the line containing x = 1; Between the line number and the line, you will find a "-" sign on its own vertical bar.

>> A = [12;34];

Contents Preface xi 1 Computer Mathematics Languages — An Overview 1 1.1 Computer Solutions to Mathematics Problems 1 1.1.1 Why should we study computer mathematics language?

SOLVING APPLIED WITH MATLAB - WordPress.com

Beginning Matlab Exercises R. J. Braun Department of Mathematical Sciences University of Delaware 1 Introduction This collection of exercises is intended to help you start learning Matlab. Matlab is a huge package with many capabilities, but it is easy to use on many levels.

Beginning Matlab Exercises - Mathematical Sciences

Cody is a MATLAB problem-solving game that challenges you to expand your knowledge. Sharpen your programming skills while having fun!

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