

Matlab Exercises And Solutions



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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

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 been multiplied by 1. Play the waveform, write it to a WAV file, and use the specgram

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

Solutions to Matlab exercises 1, 2, 3. Last update: October 14, 2008. Exercise 1 In this exercise, we define C to be the plane curve $y^2 = x^2 - x^4$. Is the origin a point of C ? Ans: Yes. To check this, substitute $(x,y) = (0,0)$ into the equation of C . Use the Matlab script `aPlot` to plot C in the region $-1.2 < x < 1.2, -1 < y < 1$, in each of the following ways:

Solutions to Matlab exercises 1, 2, 3 - Math User Home Pages

Exercises for MATLAB Course 1. Run the MATLAB code: `a = 1:5; ...` Find the solution of the equation $\sin x = 2x - 2$. We define the function `sinm(x)` and store it in the file `sinm.m`: ... The following MATLAB code plots polynomials of third, fourth, and fifth degree approximating data given by the vectors x and y : 3

Exercises for MATLAB Course - Aalborg Universitet

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 $m \times n$ matrix with ones on the main diagonal and zeros elsewhere (the main diagonal consists of the elements with equal row and column numbers). If $m = n$, `eye(n)` can be used ...

Matlab Workbook - Stanford University

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 - University of Delaware

Matlab Exercises Part 1 version 5, EJP, 2013 1. Start matlab. 2. Enter the following $1 + 2x = 1 + 2x = 1 + 2; y = x^2 + 2x + 8$ 3. Enter the following format long e pi You can use the arrow keys and the delete key to recall and edit previous ... Check that the solution is correct. $A1 * x^2$.

```
>> A = [ 1 2 ; 3 4];
```

MATLAB Exercises: Contents, Preface, and List of Exercises iii Preface to MATLAB R Exercises MATLABR Exercises in Electromagnetics, an e-supplement to Electromagnetics by Branislav M.

Notaro's (from now on, referred to as "the book"), provides an extremely large and comprehensive collection of

MATLAB R Exercises (for Chapters 1-14)

Introduction to MATLAB – exercises with some example solutions for supervisors Markus Kuhn Michaelmas 2006 Exercise 1 Find a short MATLAB expression to build the matrix

Introduction to MATLAB

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MathWorks - Solutions - MATLAB & Simulink

Start at the beginning to introduce your students to MATLAB. MATLAB® For Engineers introduces students the MATLAB coding language. Developed out of Moore's experience teaching MATLAB and other languages, the text meets students at their level of mathematical and computer sophistication. ... Appendix E Solutions to Practice Exercises can be ...

Moore, MATLAB for Engineers, 5th Edition | Pearson

exercise problems at the end, and also have the solutions to them. So please try them! Some of you may be entirely familiar with all that I talk about in the following pages and may even prefer to skip entirely what is pretty much a rudimentary instruction manual. All I wish to convey is that Matlab is not an intimidating computer

Matlab for the Absolute Beginner - graylab.jhu.edu

MATLAB Exercise # 5 Solutions. Assignment: A car rental agency has 6 locations and a rental car inventory of 12000 cars. A customer can rent a car from any one of those 6 locations and return the car to any other, including the one she rented it

MATLAB Exercise # 5 Solutions. - Drexel University

(since we only have two unknowns I have switched from using the unknowns x_1 and x_2 to x and y). The first equation, $2x+3y = 1$ is the equation of a straight line. To see this, note that we can solve for y to get

MATLAB Exercises for Linear Algebra - M349

With a hands-on approach and focus on problem solving, this introduction to the powerful MATLAB computing language is designed for students with only a basic college algebra background. Numerous examples are drawn from a range of engineering disciplines, demonstrating MATLAB's applications to a ...

Moore, MATLAB for Engineers, 4th Edition | Pearson

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```
end disp(x) T4.5-1 The script le is angle = input('Enter an angle in degrees. '); switch angle case 45 disp('Angle is in first quadrant') case -45 disp('Angle is in second quadrant') case 135 disp('Angle is in third quadrant') case -135 disp('Angle is in fourth quadrant') otherwise disp('Quadrant is unknown. '); end T4.7-1 The 0.75 in the matrix should be replaced with 0.70.
```


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