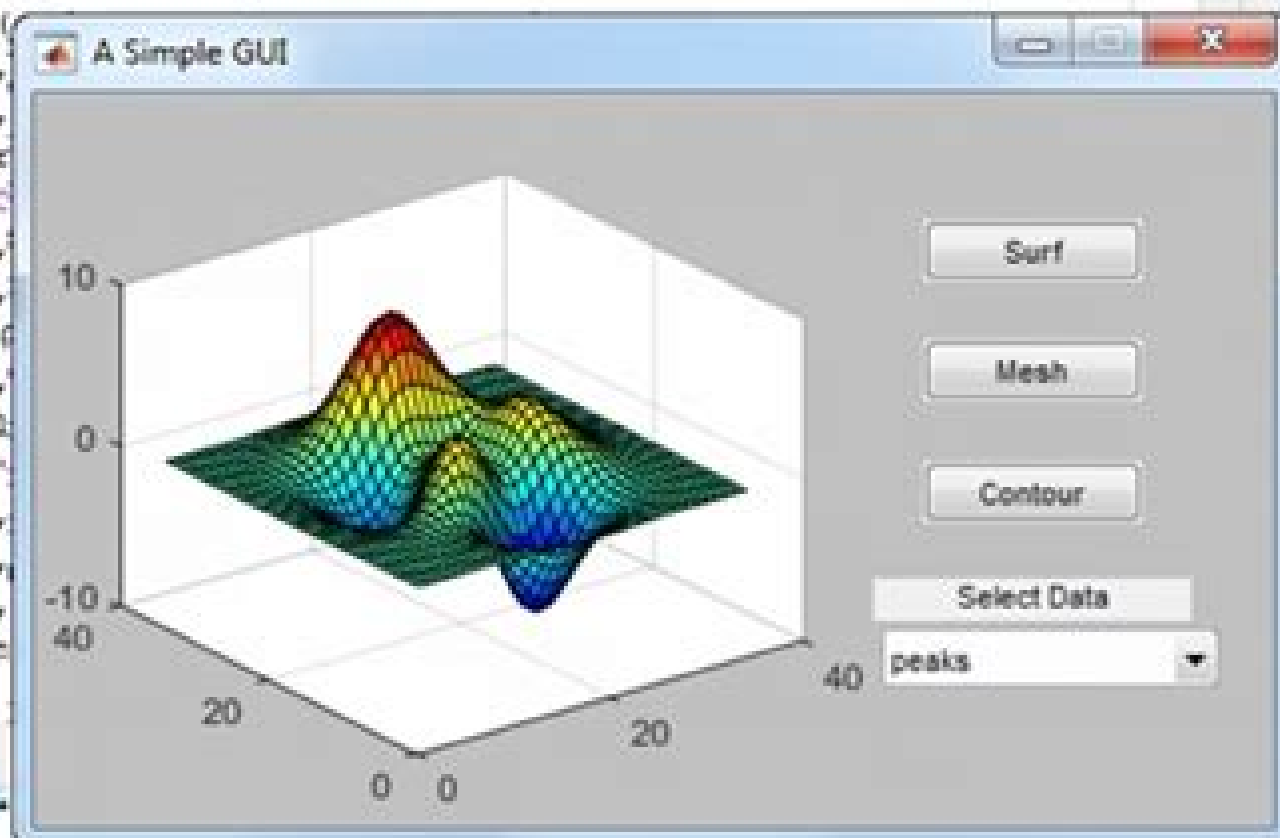


```
1 function simple_gui2
2 % SIMPLE_GUI2 Select a data set from the pop-up menu, then
3 % click one of the plot-type push buttons. Clicking the button
4 % plots the selected data in the axes.
5
6 % Create and then hide the GUI as it is being constructed.
7 f = figure('Visible','off','Position',[360,500,450,285]);
8
9 % Construct the components.
10 hsurf = uicontrol('Style','pushbutton','String','Surf',...
11     'Position',[315,220,70,25],...
12     'Callback',@surfbutton_Callback);
13 hmesh = uicontrol('Style','pushbutton','String','Mesh',...
14     'Position',[315,260,70,25],...
15     'Callback',@meshbutton_Callback);
16 hcontour = uicontrol('Style','pushbutton','String','Contour',...
17     'Position',[315,300,70,25],...
18     'Callback',@contourbutton_Callback);
19 htext = uicontrol('Style','text','String','Select Data',...
20     'Position',[315,340,70,25],...
21     'Callback',@selectdata_Callback);
22 hpopup = uicontrol('Style','listbox','String',{'peaks'},...
23     'Position',[315,380,70,25],...
24     'Callback',@selectdata_Callback);
25 ha = axes('Units','normalized','Position',[0.2,0.2,0.8,0.8]);
26 align([hsurf,hmesh,hcontour,htext,hpopup],ha,'center','top');
27
28
```



Matlab Gui Guide

Lentin Joseph



Matlab Gui Guide:

Electrical Power System Fault Analysis Package A. B. M. Nasiruzzaman, 2010-06 This book presents a nice Graphical User Interface based approach for solving electrical power system fault analysis problems MATLAB flagship software for scientific and engineering computation is used for this purpose Examples and problems from various widely used textbooks of power system are taken as reference so that results can be compared This takes into account the fresh students having no idea about the course and can alone be used as a textbook Help file is also provided with every module of the software keeping in mind that the software can be used as alternative to any textbook It has been prepared for anyone who has little or no exposure to MATLAB The programs were written in MATLAB 6 and are made compatible with most releases of MATLAB The purpose of this book is to develop a fundamental idea about the power system fault analysis among the undergrads so that they can develop their own skills and aptitudes for solving real world power engineering fault analysis problems Undergraduate students in electrical engineering having background of electrical machines and matrix algebra who are interested in power system analysis are encouraged to take a look MATLAB: Building GUIs with MATLAB, 1996

Graphics and GUIs with MATLAB Patrick Marchand, 1999-04-23 This second edition provides illustrative example sets to simplify the process of learning and mastering the powerful flexible and easy to use MATLAB graphics environment It shows how to maximize the high performance and open environment capabilities for generating displaying and analyzing numerical data as well as how to quickly create interesting and beautiful graphics The book covers plotting color animation the new z buffer algorithm new functions for generating graphics for presentations and GUI programming techniques Designed as both an introduction as well as an advanced learning tool the book uses step by step tutorials with a level of detail explanation and instruction that allows readers to discover the full potential of the MATLAB graphics programming capability MATLAB Programming for Biomedical Engineers and Scientists Andrew P. King, Paul Aljabar, 2017-06-14 MATLAB Programming for Biomedical Engineers and Scientists provides an easy to learn introduction to the fundamentals of computer programming in MATLAB This book explains the principles of good programming practice while demonstrating how to write efficient and robust code that analyzes and visualizes biomedical data Aimed at the biomedical engineer biomedical scientist and medical researcher with little or no computer programming experience it is an excellent resource for learning the principles and practice of computer programming using MATLAB This book enables the reader to Analyze problems and apply structured design methods to produce elegant efficient and well structured program designs Implement a structured program design in MATLAB making good use of incremental development approaches Write code that makes good use of MATLAB programming features including control structures functions and advanced data types Write MATLAB code to read in medical data from files and write data to files Write MATLAB code that is efficient and robust to errors in input data Write MATLAB code to analyze and visualize medical data including imaging data Many real world biomedical

problems and data show the practical application of programming concepts Two whole chapters dedicated to the practicalities of designing and implementing more complex programs An accompanying website containing freely available data and source code for the practical code examples activities and exercises in the book For instructors there are extra teaching materials including a complete set of slides notes for a course based on the book and course work suggestions

Handbook of Research on 5G Networks and Advancements in Computing, Electronics, and Electrical Engineering Nwajana, Augustine O., Ihianle, Isibor Kennedy, 2021-06-25 The advent of the emerging fifth generation 5G networks has changed the paradigm of how computing electronics and electrical CEE systems are interconnected CEE devices and systems with the help of the 5G technology can now be seamlessly linked in a way that is rapidly turning the globe into a digital world Smart cities and internet of things have come to stay but not without some challenges which must be discussed The Handbook of Research on 5G Networks and Advancements in Computing Electronics and Electrical Engineering focuses on current technological innovations as the world rapidly heads towards becoming a global smart city It covers important topics such as power systems electrical engineering mobile communications network security and more This book examines vast types of technologies and their roles in society with a focus on how each works the impacts it has and the future for developing a global smart city This book is ideal for both industrial and academic researchers scientists engineers educators practitioners developers policymakers scholars and students interested in 5G technology and the future of engineering computing and technology in human society

ENERGY EFFICIENT IMAGE TRANSMISSION IN WIRELESS MULTIMEDIA SENSOR NETWORKS Dr. RAJKUMAR L. BIRADAR, Undocumented Secrets of MATLAB-Java Programming Yair M. Altman, 2011-12-05 For a variety of reasons the MATLAB Java interface was never fully documented This is really quite unfortunate Java is one of the most widely used programming languages having many times the number of programmers and programming resources as MATLAB Also unfortunate is the popular claim that while MATLAB is a fine programming platform for proto

Interactive and Dynamic Dashboard A. Vadivel, K. Meena, P. Sumathy, Henry Selvaraj, P. Shanmugavadivu, Shaila S. G., 2024-12-31 The text comprehensively discusses the representation of visual data and design principles of interactive and dynamic dashboards It further covers the theoretical concept of inference and machine learning algorithms for making the concepts clear to the reader The book illustrates important topics such as data testing a parametric hypothesis data testing a non parametric hypothesis exploratory data analysis outlier detection and interpretation This book Covers various data analysis tools such as KNIME RapidMiner Rstudio Grafana and Redash Discusses the theoretical concept of inference and machine learning algorithms for designing dynamic dashboards Presents statistical modelling techniques with an emphasis on pattern mining and pattern relationships Explains the problem of efficient retrieval of similar time series in large databases to enrich the knowledge of the readers to effectively handle various real time datasets Illustrates dimensionality reduction techniques such as principal component analysis linear

discriminant analysis singular value decomposition and piecewise vector quantized approximation It is primarily written for senior undergraduates graduate students and academic researchers in the fields of electrical engineering electronics and communications engineering computer science and engineering and information technology

ROS Robotics Projects
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MATLAB Programming for Engineers Stephen J. Chapman, 2004 Emphasising problem solving throughout this successful title introduces the MATLAB language and shows how to use it to solve typical technical problems It demonstrates how to write clean efficient and well documented programs and how to locate any desired function with MATLAB s online help facilities

Unveiling the Magic of Words: A Review of "**Matlab Gui Guide**"

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