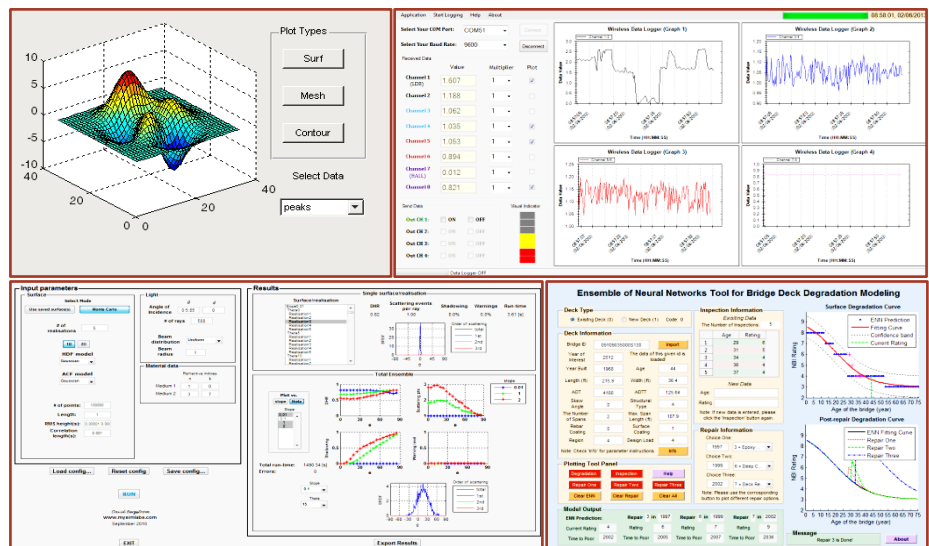


DESENVOLVIMENTO DE INTERFACES GRÁFICAS EM MATLAB



2º Sem. 2018

Engenharia de Sistemas Eletrônicos

Este documento apresenta um conjunto de tutorias para criação de interfaces gráficas em Matlab para auxiliar o desenvolvimento de projetos da disciplina LOQ4243 - Engenharia de Sistemas Eletrônicos da Engenharia da Escola de Engenharia de Lorena da Universidade de São Paulo.

Desenvolvimento de interfaces gráficas em MATLAB

ENGENHARIA DE SISTEMAS ELETRÔNICOS

MATLAB® GRAPHICAL USER INTERFACE (GUI)

Introdução

Gerais

- <http://www.mathworks.com/videos/creating-a-gui-with-guide-68979.html> (Código disponível no e-Disciplinas)
- <http://www.mathworks.com/videos/introduction-to-gui-building-with-guide-in-matlab-97171.html>
- <http://www.mathworks.com/videos/widgetpalooza-12-widgets-coded-up-in-a-gui-97329.html>
- <http://www.mathworks.com/videos/setting-a-background-image-for-a-gui-97478.html>

Lançamento de projéteis

- <https://www.youtube.com/watch?v=W6p0ilfcRSI&list=PLPhi9dVsEVfZOIbIPsrQx0drJIBX9T15r&index=3>
- <https://www.youtube.com/watch?v=n3vlQzCRkHM&index=4&list=PLPhi9dVsEVfZOIbIPsrQx0drJIBX9T15r>
- <https://www.youtube.com/watch?v=ZX0qsA-1AA0&index=5&list=PLPhi9dVsEVfZOIbIPsrQx0drJIBX9T15r>
- <https://www.youtube.com/watch?v=WIWvRNXGnvA&index=6&list=PLPhi9dVsEVfZOIbIPsrQx0drJIBX9T15r>

Avançado

Leitura de tabelas Excel no MATLAB com uma interface GUI

- <http://www.mathworks.com/videos/reading-excel-data-into-matlab-with-a-gui-part-1-98224.html>
- <http://www.mathworks.com/videos/reading-excel-data-into-matlab-with-a-gui-part-2-98225.html>
- <http://www.mathworks.com/videos/reading-excel-data-into-matlab-with-a-gui-part-3-98226.html>
- <http://www.mathworks.com/videos/reading-excel-data-into-matlab-with-a-gui-part-4-97484.html>

Building a GUI to Read, Modify and Write an Excel File

- <http://www.mathworks.com/videos/building-a-gui-to-read-modify-and-write-an-excel-file-part-1-97283.html>
- <http://www.mathworks.com/videos/building-a-gui-to-read-modify-and-write-an-excel-file-part-2-97282.html>
- <http://www.mathworks.com/videos/building-a-gui-to-read-modify-and-write-an-excel-file-part-3-97281.html>
- <http://www.mathworks.com/videos/building-a-gui-to-read-modify-and-write-an-excel-file-part-4-97280.html>

Gráficos dinâmicos

- http://www.mathworks.com/help/matlab/creating_guis/synchronized-data-presentations-in-a-guide-gui.html

Reading Web Pages, Part1: Usingwebread

- <http://www.mathworks.com/videos/reading-web-pages-part-1-using-webread-107852.html>

Criação de executáveis de interfaces GUI

- <http://blogs.mathworks.com/pick/2007/12/12/advanced-matlab-compiling-a-gui/>

Exemplos de interfaces

- http://www.12000.org/my_notes/my_matlab_functions/index.htm

Blog com diversos exemplos

- http://blogs.mathworks.com/pick/category/gui-or-guide/?s_tid=Blog_pick_Category

Exemplos de interfaces

As figuras a seguir são exemplos de interfaces disponíveis online e foram obtidas com uma busca na biblioteca de imagens do Google com a busca “guimatlab”.

