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Guide to SonnetLab Examples

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Guide to Examples

The SonnetLab toolbox for Matlab (from here on called SonnetLab) ships with a folder containing a few examples of what can be done using SonnetLab. An explanation of what these demonstration scripts do is provided below:

BeginnerDemo This is an introductory demo of SonnetLab
 This is a very simple demo of how Sonnet projects can be
 built and simulated using Matlab.
 Written by: Bashir Souid

LayerDemo A demo of Matlab modifying and simulating a project
 This function is a demonstration of an realistic use
 for the ability to run SONNET from MATLAB.

This function will read in a Sonnet Project representing
 an antenna. This antenna will be made of many
 square metals in a grid. This function will modify the
 level that individual patches of the antenna reside on.
 Written by: Bashir Souid

AntennaDemo A demo of Matlab modifying and simulating a project
 This function is a demonstration of an realistic use
 for the ability to run SONNET from MATLAB.

This example will build a Sonnet Project in the form
 of a patch antenna and remove metal patches from it in
 order to get a very high -3dB bandwidth.
 Written by: Bashir Souid

SonnetBanner
 SonnetBanner will make a Sonnet Geometry project
 circuit that will spell out a string using metal polygons
 Written by: Bashir Souid

JXY Beginner Demo
 This example demonstrates various JXY export options. This is
 intended to be an introductory tutorial.
 Written by: Bashir Souid

Cross Section Plot
 This example will plot JX and JY data for a project at a
 location specified by the user.
 Written by: Bashir Souid

Antenna Array
 This example will plot the antenna pattern for a series of patch antenna designs
 with varying amounts of separation between patches.
 Written by: Bashir Souid

Contact

Your feedback is important to us. If you have any questions or comments about SonnetLab, please contact Sonnet Support by email at support@sonnetsoftware.com.

Please make sure you are using the most up to date version of SonnetLab before submitting a bug report. When submitting a bug report please include the Sonnet project file that generated the error (Sonnet project files have the extension .son) and the output from the command “SonnetMatlabVersion”. The more information that that we receive the faster it will be for us to resolve the issue and contact you back.