THz Toolbox Instructions

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1   Downloading the Toolbox and Accessing the Documentation

Downloading the proposed toolbox and interactive GUI can be done via GitHub or the authors' website, both listed below. Using the MathWorks file exchange platform, our toolbox can be downloaded and installed to your MATLAB installation by opening the `THz and Sub-THz Imaging Toolbox.mltbx` MATLAB toolbox installer. To use the functionality of the toolbox from the repository available on our website, simply add the the main folder to the MATLAB search path.

- https://github.com/josiahwsmith10/THz-and-Sub-THz-Imaging-Toolbox

- labs.utdallas.edu/wislab/[to be released]

To setup and open the directory of the toolbox, call the provided script `THzSimulator()`. (Note: the main folder of the toolbox must be on the MATLAB path and is included when installed via the MathWorks website.) To open the interactive GUI, either call `THzSimulator()` and open the application in MATLAB Application Designer or call the `THzSimulatorGUI()` script to open the stand-alone GUI.

To access the documentation created for this toolbox, after installing the packaged MATLAB toolbox or downloading the repository and adding the main folder to the MATLAB path, navigate to the Home tab in the main MATLAB window and select the Help button indicated by a question mark icon. The Documentation Home window will open and the THz Imaging Toolbox will appear under the Supplemental Software section[1]. Additionally, the "Info" menu and "About" tab of the interactive GUI contain quick links to the documentation. Inside our documentation, you will find a Getting Started Guide, User Guide, Reference, and Examples sections detailing the usage and functionality of the various tools.

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[1]Refer to `www.mathworks.com/help/matlab/matlab_prog/display-custom-documentation.html` for more detailed instructions.