MATLAB online

If scripts get stuck or error is made:

- ➔ go to https://drive.mathworks.com/ .
- ➔ Click on username.
- ➔ Select 'Show hidden files'.
- ➔ Refresh browser page.
- ➔ Delete file '.session'
- ➔ Restart Matlab session.

`SomaExtraction` **In practice!**

1) Download SomaExtraction-master.zip and extract files using 7-Zip

2) Open MATLAB online

3) Upload folder 'SomaExtraction-master' to MATLAB Drive

4) Open folder 'SomaExtraction-master' in MATLAB

5) Open folder 'anigauss'

6) In Command Window type: `mex -v -g anigauss_mex.c anigauss.c`

7) Open folder `fast marching toolbox_reduced`

8) In Command Window type: `mex mex/perform_front_propagation_2d.cpp mex/perform_front_propagation_2d_mex.cpp mex/fheap/fib.cpp`

9) Open folder 'SomaExtraction-master' in MATLAB

10) In Command Window type: `install_DR_Anigauss`

   //This command will open the 'Script_Gaussian.m) `script`.

11) In Command Window type: `addpath '/MATLAB Drive/SomaExtraction-master/fast marching toolbox_reduced'`

12) Open folder 'SomaExtraction-master' in MATLAB

Generation and Export soma mask from MATLAB (currently performed manually)

13) Upload 'Neuron single channel' and 'Threshold and Transform' output images to the 'SomaExtraction-master\data\' folder in MATLAB.

14) Select 'Matlab_Script_Gaussian.m'code in 'SomaExtraction-master' folder and run it.

15) Download the .txt files 'mask array' to the 'Mask array' folder.