**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.*

1. In Command Window type: addpath '/MATLAB Drive/SomaExtraction-master/fast marching toolbox\_reduced'
2. Open folder ‘SomaExtraction-master’ in MATLAB

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

1. Upload 'Neuron single channel’ and 'Threshold and Transform’ output images to the ‘SomaExtraction-master\data\’ folder in MATLAB.
2. Select ‘Matlab\_Script\_Gaussian.m’code in ‘SomaExtraction-master’ folder and run it.
3. Download the .txt files ‘mask array’ to the ‘Mask array’ folder.