

FitzHugh Nagumo:

Run FN_PhasePlot_OriginalTIStim.m, it uses the other file. The parameters of the FitzHugh Nagumo model need to be consistent between the two files, so make sure you change both if you are going to.

Hodgkin-Huxley:

The main file to run: HodgkinHuxleyNeuronTISimulationMechanicsPaper.m

For fast execution, the HH model is coded inside a cpp file.

If you're using the same neuron parameters as in the cpp files currently, no need to worry about it, just run the .m code.

If you're planning to change the parameters, you have to do it in .cpp code as well, and then compile the .cpp code to produce a .mex file. To do so, use the following code:

```
mex -IPATH_TO_BOOST_LIB FILENAME.cpp
```