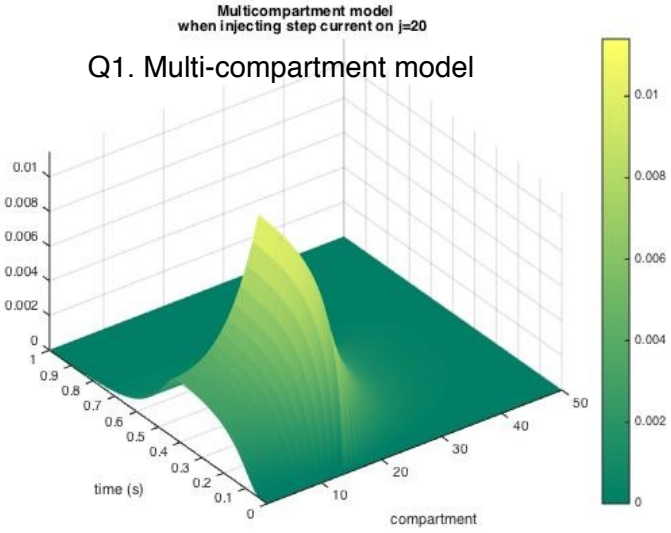
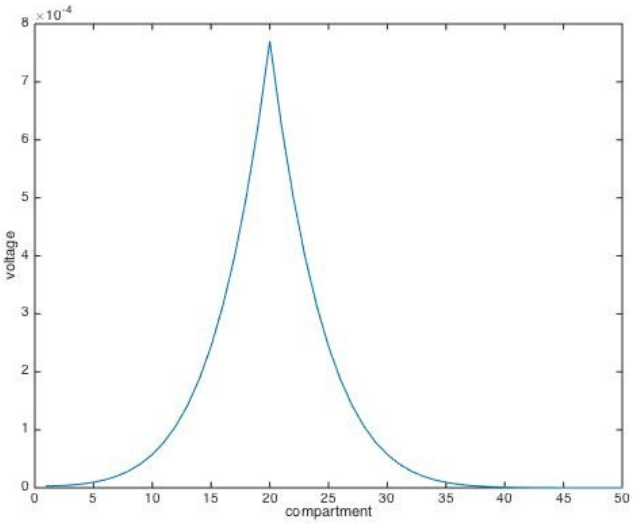
Neural dynamics discussion Ex4 2014Nov.26

Po-Hsuan Huang

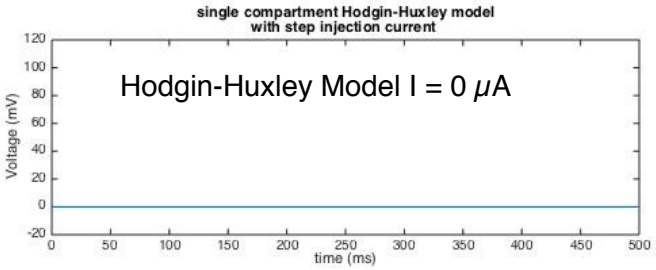
Q1. Multi-compartment model

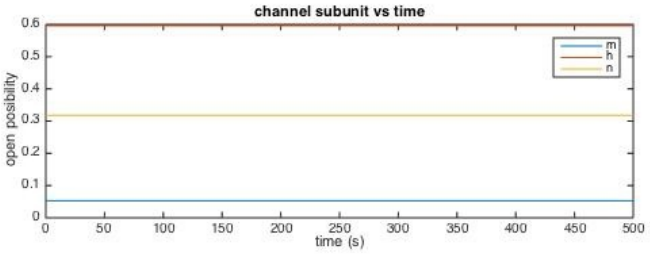


Q1.3 steady state

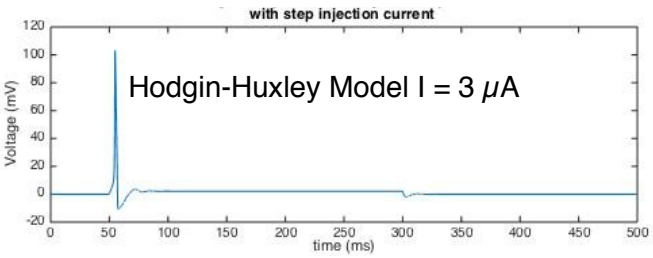


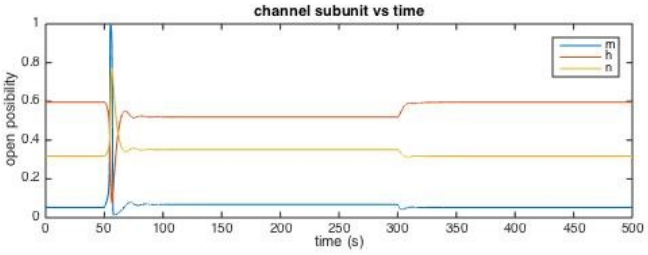
Hodgin-Huxley Model I = 0 μA



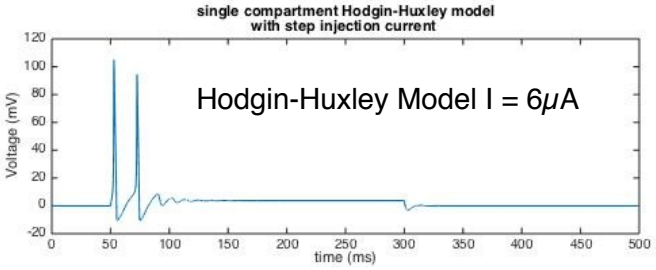


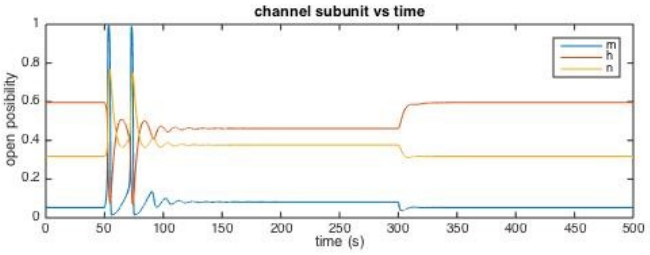
Hodgin-Huxley Model I = 3 μA



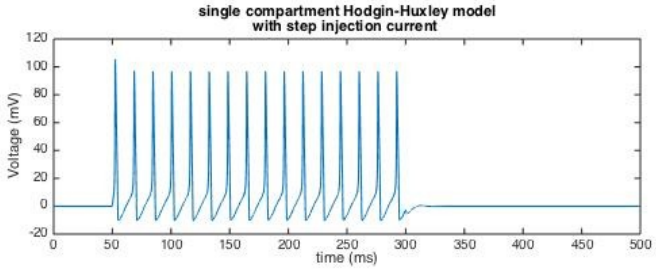


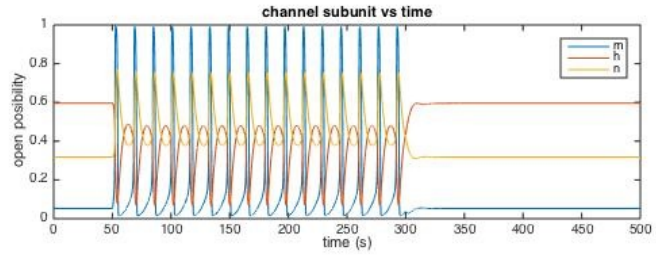
Hodgin-Huxley Model I = 6μA

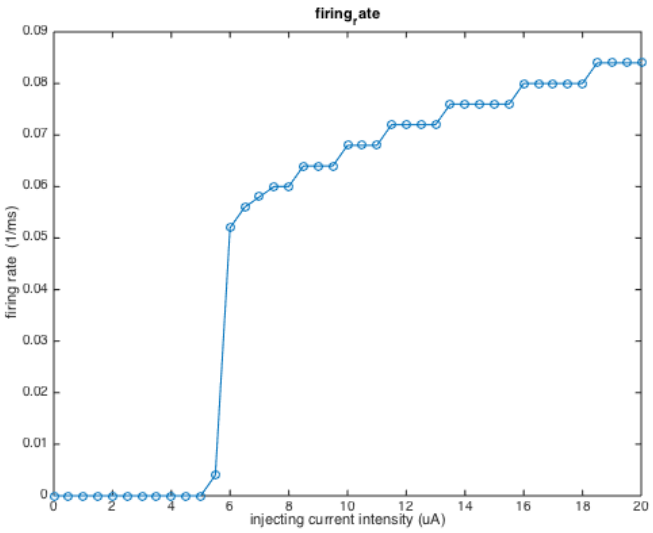




Hodgin-Huxley Model I = 8 μA



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0.05
0.04
0.03
0.02
0.01
0
firing rate (1/ms)
0
2
4
6
8
10
12
14
16
18
20
injecting current intensity (uA)