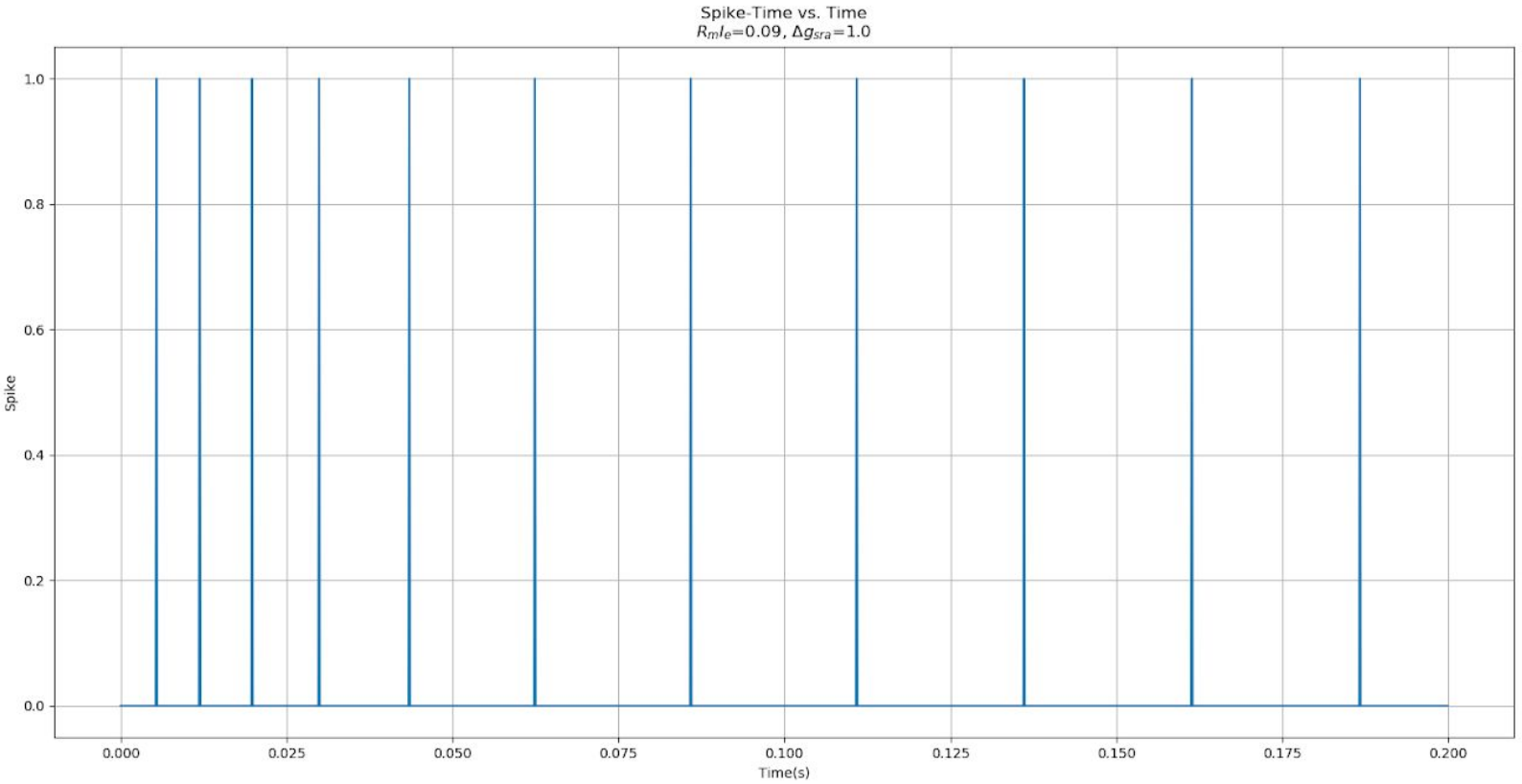
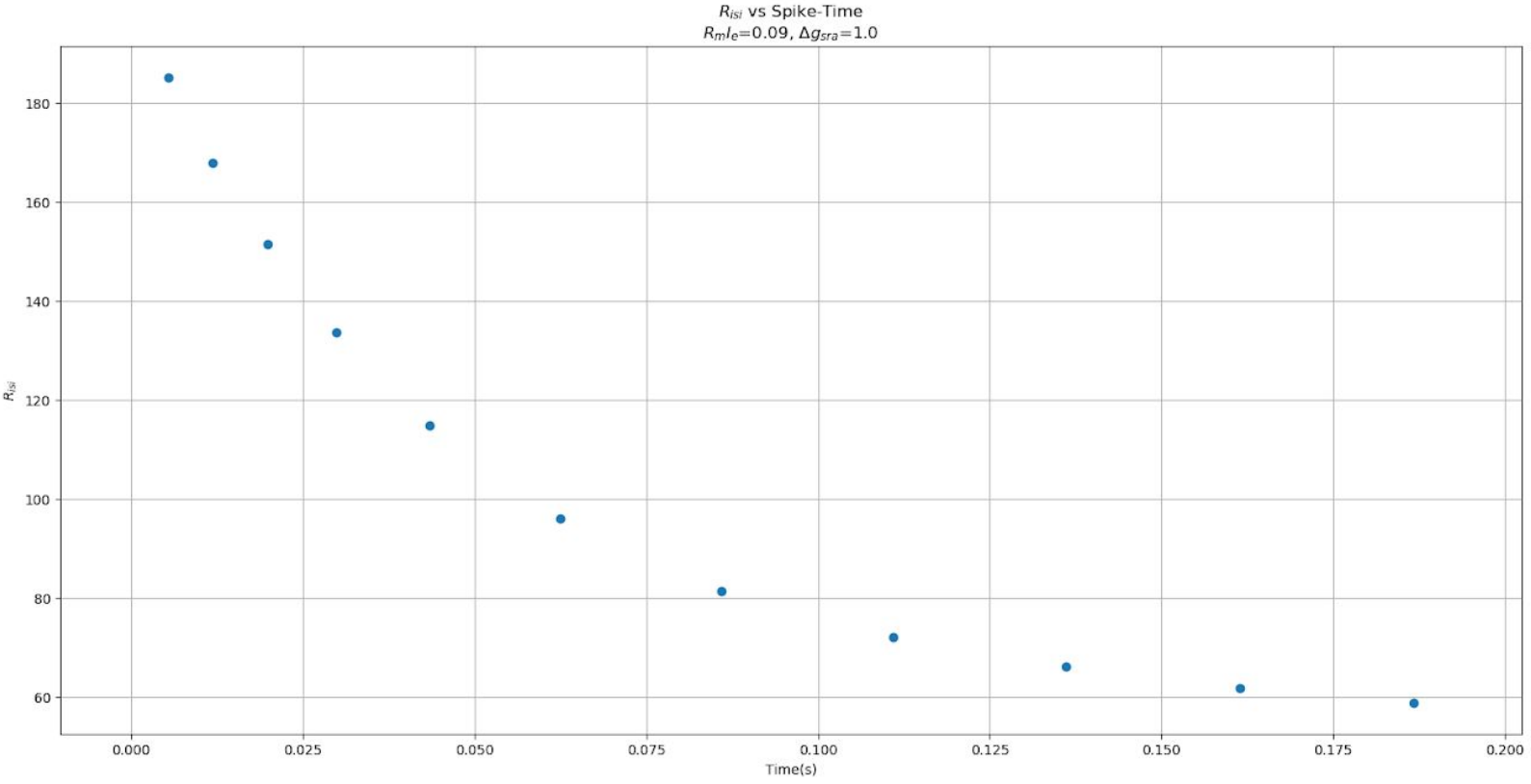
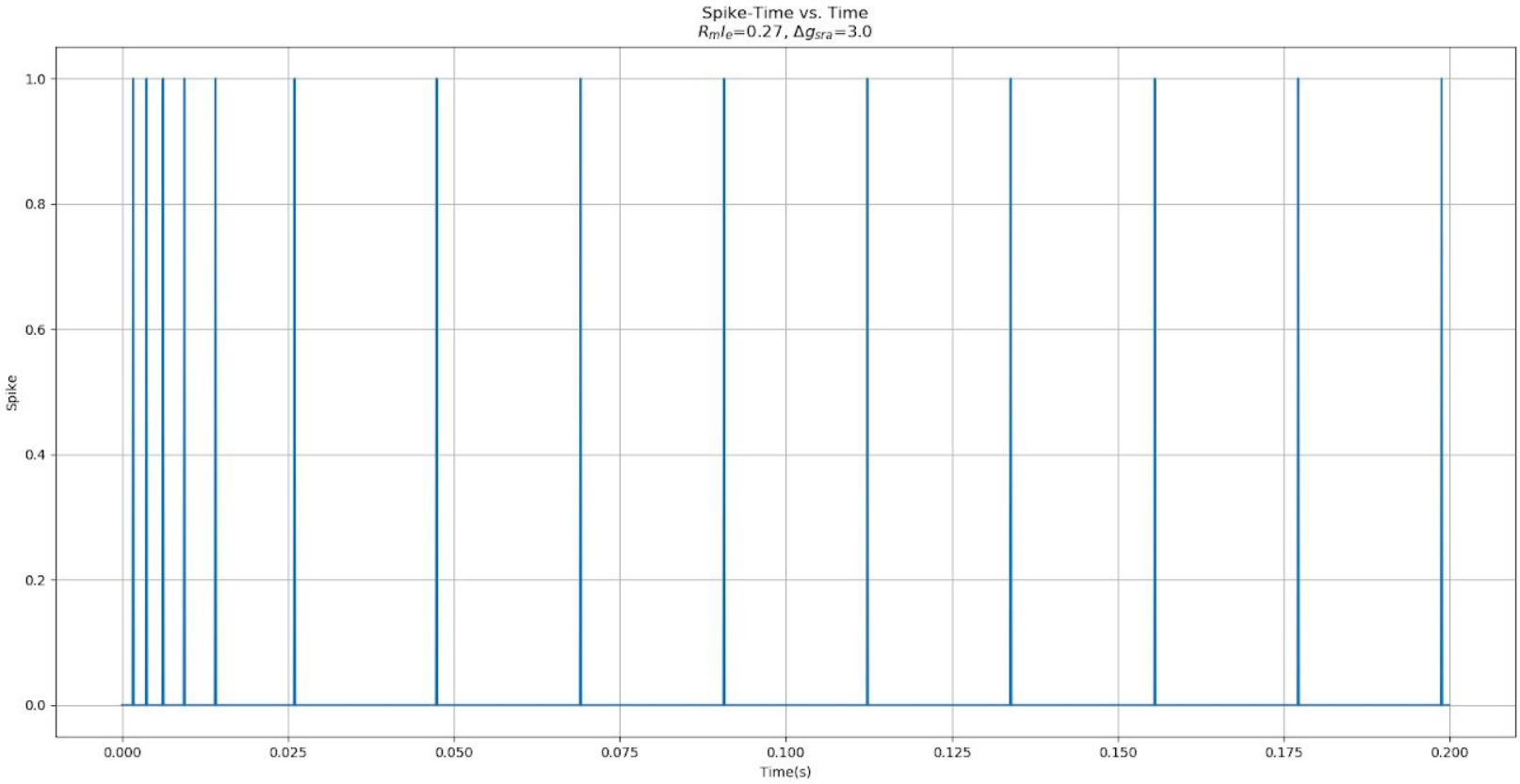
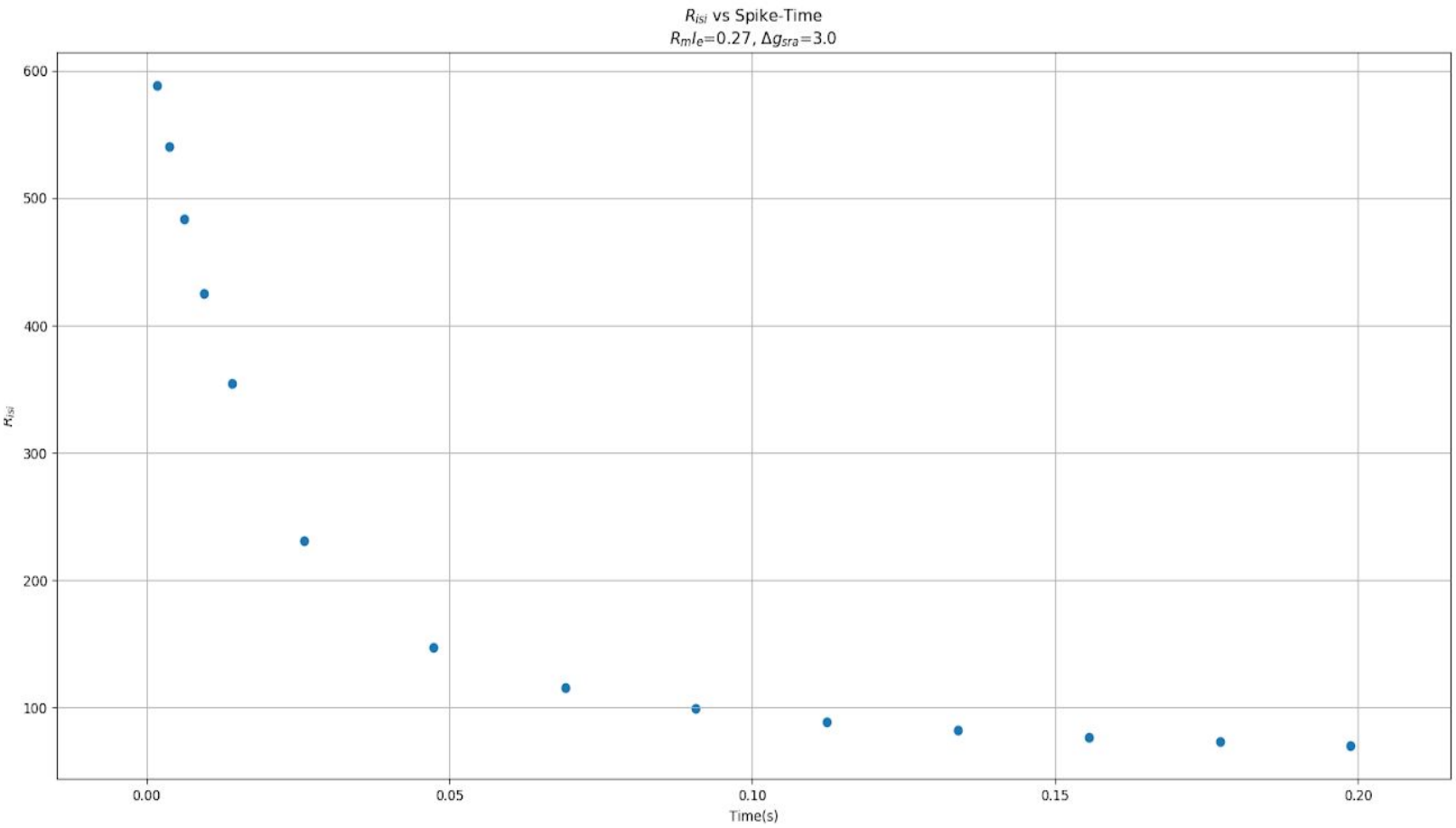
Standard default value plots



I tuned the values of Ie and delta_Gsra together and found that the the spike rate increased as Ie increased and as delta_Grsa decreased.
I found some funny behavior, however, where if Ie and delta_Gsra are increased at proportionally the same rate (x3 for my example) then the firing rate behavior stays very similar to the original parameter's firing rate. But we can see that the frequency is approximately 3 times higher as the upper bound is 600 instead of 200 for our original values. This comes from the increase in current(Ie) since if we leave delta_Gsra alone and increase current we will get a upper bound of 600 Hz also, but with a much higher firing rate.




$R_{isi}$ vs Spike-Time
$R_m I_e$=0.27, $\Delta g_{sra}$=3.0
600
500
400
300
200
100
$R_{isi}$
0.00
0.05
0.10
0.15
0.20
Time(s)