

0.1 kCSD for Ballstick Modell

Parameters:

Number of electrodes: 20

Number of base functions: 27

Type of base functions: step

Width of base functions: 20 μm

sigma: 0.5

Shift of overlapping of base functions: 18.5185185185185 μm

Cell to electrode distance: 60

Units:

Potential [mV]

Current [nA]

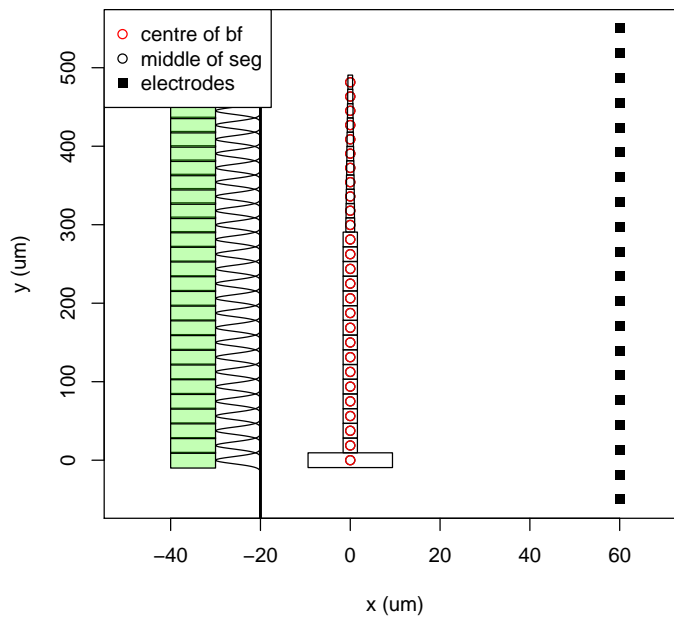
Conductivity [S/m]

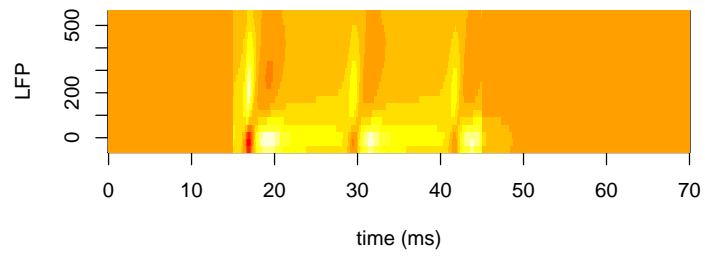
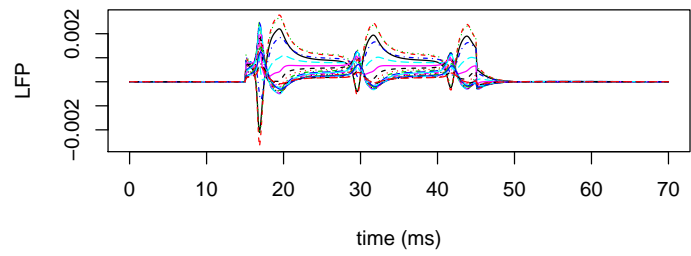
Dimension [μm]

pdf

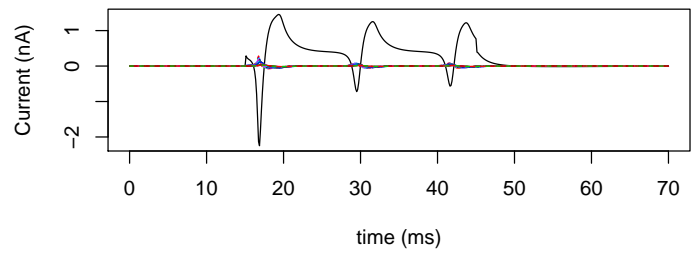
2

Simulational setup

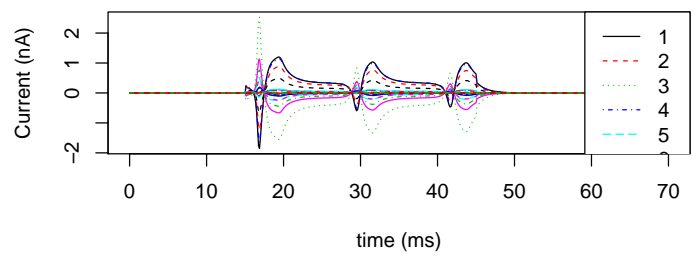


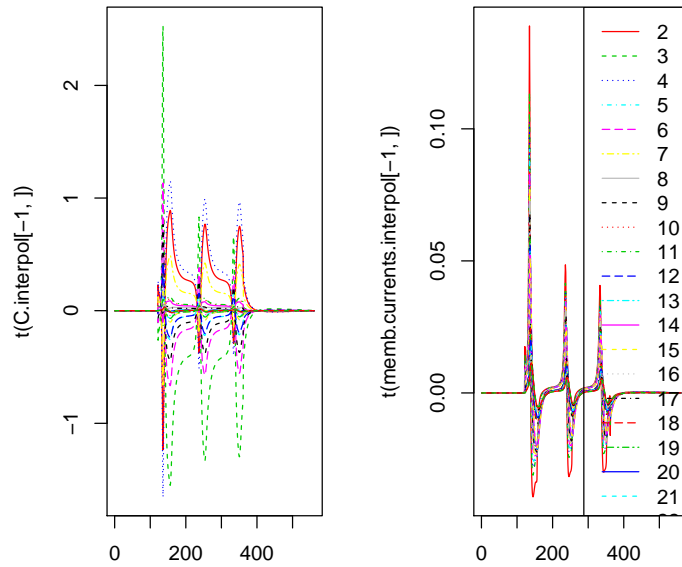
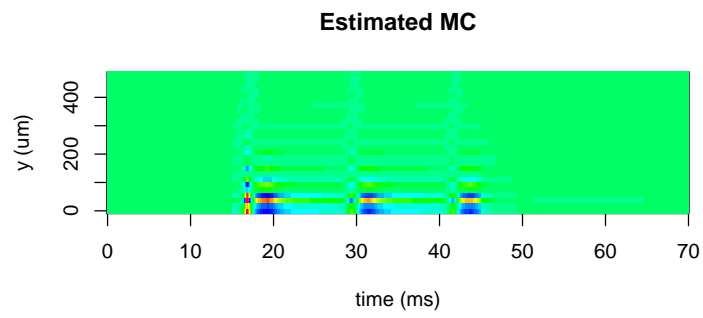
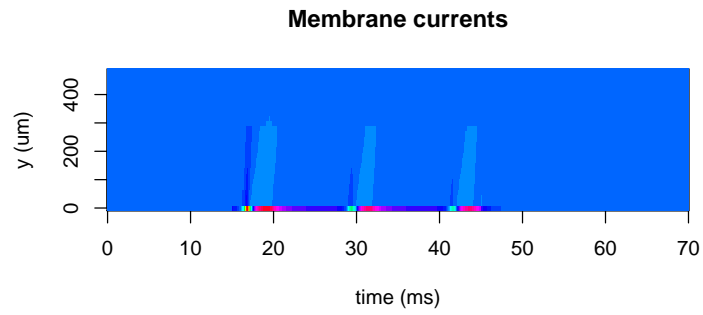


Membrane currents



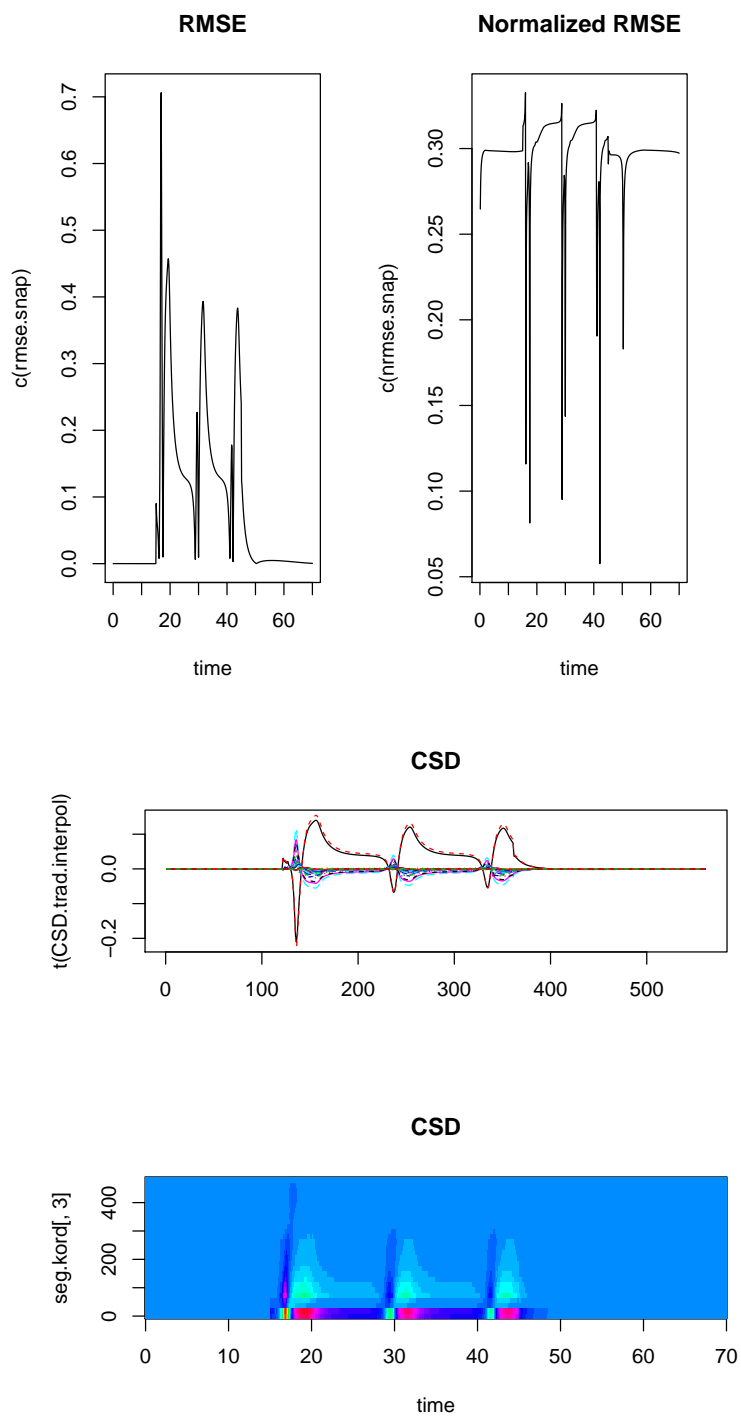
Estimated MC



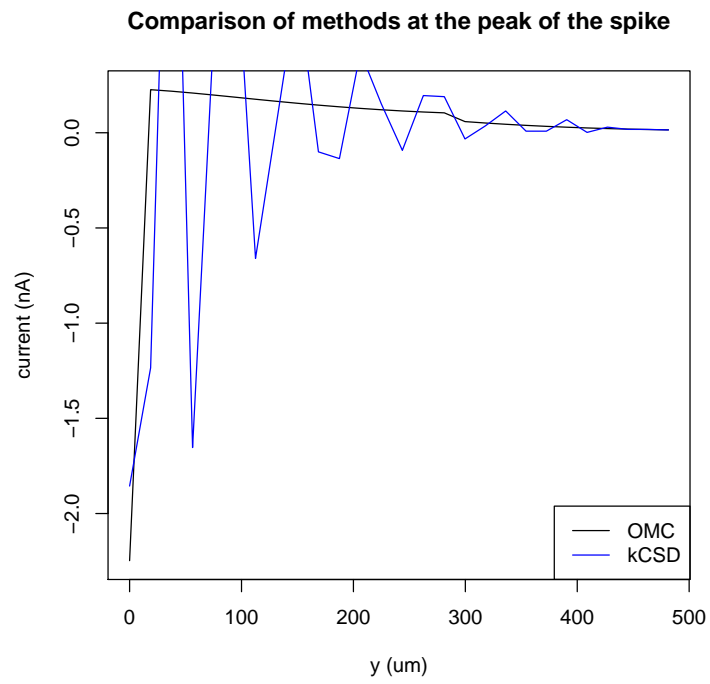


Overall RMSE 0.150206644976077

Overall normalized RMSE 0.0405561194567369



Spatial distribution at spike:



Spike rmse: 0.706216417492308