

Distribution of compute time for cell computations

CPU

no-vec

vec

0 0.5 1 1.5 2 2.5 3 3.5 4 4.5

Phi

no-vec

vec

0 20 40 60 80 100 120 140

Percentage of running time in ms

Random number generation

L-type channel stochastic opening

RyR channel stochastic opening

Dyad diffusion

L-type channel probability computation

RyR channel probability computation

Ca concentration computation

