**TITLE PAGE:**

Multicompartment Neuronal Electrodiffusion Simulator

View simulation results

Multicomparment architecture

Set simulation parameters

Add new compartment

**COMPARTMENT BUILDER:**

Set default parameters

View multicompartment architecture

Add compartment

Reset parameters

Intracellular Conc.:

Na+:

K+:

Cl-:

X:

Z:

Extracellular Conc.:

Na+:

K+:

Cl-:

X:

Z:

Na+:

K+:

Cl-:

X:

Na+:

K+:

Cl-:

X:

ATPase Pump Rate:

KCC2 Pump Rate:

Length:

Radius:

Set compartment parameters

BUILDING MULTICOMPARTMENT STRUCTURE

Make new compartment

Duplicate compartment

Multicompartment architecture

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | radius | length | Na\_i | Na\_e |  |  |
| Comp 1 |  |  |  |  |  |  |
| Comp 2 |  |  |  |  |  |  |

1

2

**SIMULATION PAGE**

View simulation results

Run simulation

Return to architecture view

Total time:

Time step:

PROGRESS %

pRP

Simulation parameters

**RESULTS AND GRAPHS**

Simulation results