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| Aim | Assess impact of changing the time step on a 3 compartment model where x and z are changed in the middle compartment |
| Pre-Simulation summary | \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  Compartment settings:  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  Comp1 Comp2 Comp3  Radius 1.000000e-05 1.000000e-05 1.000000e-05  Length 1.000000e-04 1.000000e-04 1.000000e-04  Volume 3.141593e-14 3.141593e-14 3.141593e-14  Na\_i 1.400000e-02 1.400000e-02 1.400000e-02  K\_i 1.226650e-01 1.226650e-01 1.226650e-01  Cl\_i 5.000000e-03 5.000000e-03 5.000000e-03  X\_i 1.549000e-01 1.549000e-01 1.549000e-01  z\_i -8.500000e-01 -8.500000e-01 -8.500000e-01  ATPase pump rate 1.036427e-06 1.036427e-06 1.036427e-06  KCC2 pump rate 2.072854e-08 2.072854e-08 2.072854e-08  Vm 0.000000e+00 0.000000e+00 0.000000e+00  Ek 0.000000e+00 0.000000e+00 0.000000e+00  ECl 0.000000e+00 0.000000e+00 0.000000e+00  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  Extracellular anion concentrations:  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  Na: 145.0 mM  K: 3.5 mM  Cl: 119.0 mM  X: 29.5 mM  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  Simulation settings:  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  Total time (mins): 30.0  Timestep (ms): 0.01  ATPase Model type: J\_ATP = p \* (Na\_in/Na\_out)^3  Pump rate: 0.1  Area scale type: Am = Surface Area / volume  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  Impermeant anion changes:  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  Comp2 : increase intracellular impermeant anion concentration - 4.0 mM, valence: -1.0, between: 360.0s and 959.0s  No change of intracellular impermeant anion charge mid simulation  No change of extracellular impermeant anion concentration mid simulation |
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