

Quiz 3.3: Scaling of parameters

Scaling of parameters

0 points possible (ungraded)

这里的意思应该是相同的segment，原来是dx，现在变成2dx了，也就是划分的段变多了。

Suppose the ionic currents through the membrane are well approximated by a simple leak current. For a dendritic segment of size dx , the leak current is characterized by a membrane resistance R . If we change the size of the segment from dx to $2dx$:

☒ the resistance R needs to be changed from R to $2R$.

☐ the resistance R needs to be changed from R to $R/2$. ✓

☐ R does not change.

☐ the membrane conductance increases by a factor of 2. ✓



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You have used 1 of 1 attempt

i Answers are displayed within the problem

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