

## Quiz 4.3: Exploiting Similarities

### Exploiting Similarities

0 points possible (ungraded)

A sufficient condition to replace two gating variables  $r$ ,  $s$  by a single gating variable  $w$  is

☐ both  $r$  and  $s$  have the same time constant (as a function of  $u$ )

☐ both  $r$  and  $s$  have the same time activation function

☐ both  $r$  and  $s$  have the same time constant (as a function of  $u$ ) AND the same activation function ✓

☒ both  $r$  and  $s$  have the same time constant (as a function of  $u$ ) AND the activation functions that are identical after some additive rescaling ✓

☐ both  $r$  and  $s$  have the same time constant (as a function of  $u$ ) AND the activation functions that are identical after some multiplicative rescaling ✓



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You have used 1 of 1 attempt

**i** Answers are displayed within the problem

## Discussion

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