

## The Meaning of $k$

**Quiz:** The meaning of  $k$ .

In the root beer cooling example the DE was:

$$\dot{x}(t) = k(T_{\text{ext}}(t) - x(t)).$$

What does it mean for  $k$  to be large?

Think about your answer and then look at the choices.

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18.03SC Differential Equations  
Fall 2011

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