>

21.3

> $dsolve(\{diff(x(t), t) = -k \cdot x(t), x(0) = a\}, x(t))$

$$x(t) = a\, e^{-kt} \tag{1}$$

> $solve\left(a\, e^{-kt} = \dfrac{a}{2}, t\right)$

$$\frac{\ln(2)}{k} \tag{2}$$

>

>