





















Reaction of second order:
A + B
$$\rightarrow$$
 Products• rate law: $v = -\frac{dc(A)}{dt} = -\frac{dc(B)}{dt} = k \cdot c(A) \cdot c(B)$ $-\frac{dc(A)}{dt} = k \cdot c(A) \cdot c(B)$ one more variable! simplify! $c(A) = c_0(A) - x$
 $c(B) = c_0(B) - x$ $c(A) \cdot c(B) = (c_0(B) - x) \cdot (c_0(A) - x)$ $c(A) \cdot c(B) = (c_0(A) - x)^2$ $\frac{dx}{dt} = -k(c_0(A) - x)^2$ Lars Birlenbach







































