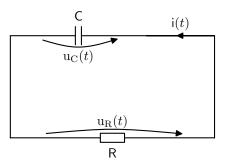


Beispiel



Beispiel

$$u_C(t) = u_R(t) := u(t)$$

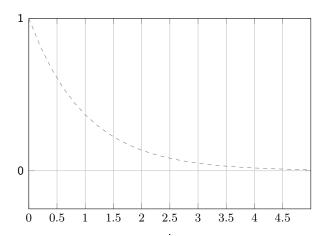
$$i(t) = \frac{-u_R(t)}{R}$$

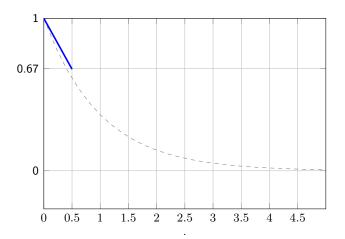
$$u_C(t) = u_0 + \frac{1}{C} \int_0^t i(t) dt$$

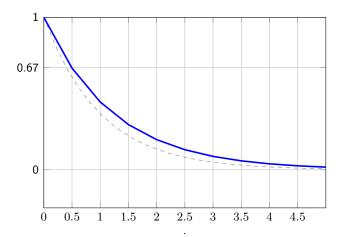
$$\dot{u}(t) = \frac{-1}{RC} u(t), \quad u(0) = u_0$$

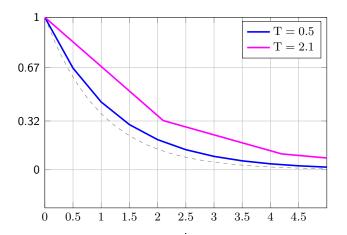
$$\dot{x} = \lambda x, \quad x(0) = x_0$$
hier: $\dot{x} = -x$

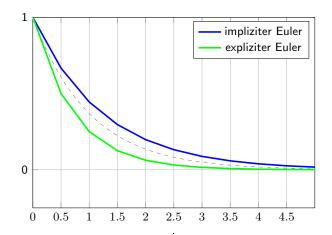
Echte Lösung: $x(t) = x_0 e^{\lambda t}$



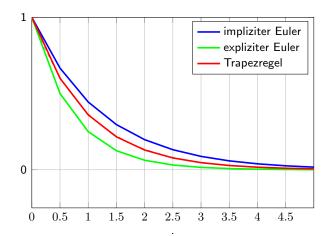




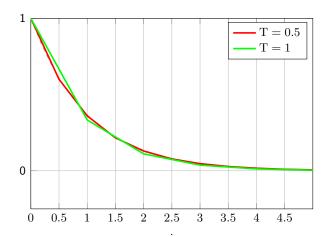




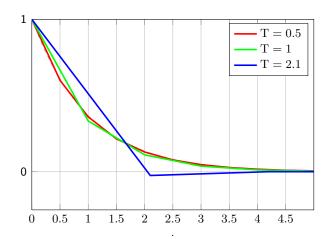
Trapez



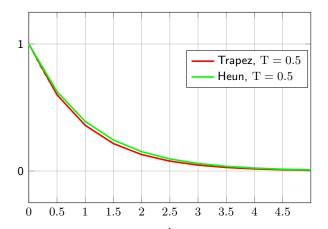
Trapez



Trapez



Heun



Heun

