Ladung:

|  |  |
| --- | --- |
| $$u\_{c}=U⋅\left(1-e^{-\frac{t}{τ}}\right)$$$$i\_{c}=\frac{U}{R}⋅e^{-\frac{t}{τ}}$$ |  |

Entladung:

|  |  |
| --- | --- |
| $$u\_{c}=U⋅e^{-\frac{t}{τ}}$$$$u\_{c}=-\frac{U}{R}⋅e^{-\frac{t}{τ}}$$ |  |