

rechnung_umkehrintegrator

Student Group

First Name	Surname	Matrikel Nr.

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$U_A = f(U_E)$	mit III.	
$U_A = \textcolor{blue}{U_D} - U_C$	mit II. und I.	$\textcolor{blue}{U_D} = \{ \textcolor{blue}{U_D} \} \cdot U_A \overset{A_D}{\rightarrow \infty}$
$U_A = \textcolor{blue}{U_D} - U_C$	mit II. und I.	$\textcolor{blue}{U_D} = \{ \textcolor{blue}{U_D} \} \cdot U_A \overset{A_D}{\rightarrow \infty}$
$U_A = \int_0^t \textcolor{blue}{U_C} dt + U_{A0}$	mit V.	$\textcolor{blue}{U_C} = \{ \textcolor{blue}{U_C} \} \cdot \int_0^t \textcolor{blue}{U_C} dt + U_{A0}$
$U_A = -\{ \textcolor{blue}{U_C} \} \cdot \int_0^t \textcolor{blue}{U_C} dt + U_{A0}$	mit IV.	$\textcolor{blue}{U_C} = I_R$
$U_A = \textcolor{blue}{U_C} \cdot \int_0^t \textcolor{blue}{U_C} dt + U_{A0}$	Ausklammern	
$U_A = -\{ \textcolor{blue}{U_C} \} \cdot \int_0^t \textcolor{blue}{U_C} dt + U_{A0}$	Integrationskonstante betrachten	$\textcolor{blue}{U_C} = \{ \textcolor{blue}{U_C} \} \cdot \int_0^t \textcolor{blue}{U_C} dt + U_{A0}$
$U_A = -\{ \textcolor{blue}{U_C} \} \cdot \int_0^t \textcolor{blue}{U_C} dt + U_{A0}$	mit VI. und II.	$\textcolor{blue}{U_C} = \{ \textcolor{blue}{U_C} \} \cdot \int_0^t \textcolor{blue}{U_C} dt + U_{A0}$
$U_A = -\{ \textcolor{blue}{U_C} \} \cdot \int_0^t \textcolor{blue}{U_C} dt + U_{A0}$	Konstante vorziehen	
$U_A = -\{ \textcolor{blue}{U_C} \} \cdot \int_0^t \textcolor{blue}{U_C} dt + U_{A0}$	Zeitkonstante $\tau = R \cdot C$ einfügen	
$U_A = -\{ \textcolor{blue}{U_C} \} \cdot \int_0^t \textcolor{blue}{U_C} dt + U_{A0}$		
$U_A = -\{ \textcolor{blue}{U_C} \} \cdot \int_0^t \textcolor{blue}{U_C} dt + U_{A0}$		

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