

temp

Student Group

First Name	Surname	Matrikel Nr.

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Gegeben sind folgende Gleichungen

$SU_A = f(U, E)S$	mit III.	S
$SU_A = \text{color}\{blue\} \{ -U, D \} - U, C_S$	mit II. und I.	$\text{color}\{blue\} \{ U, D \} = \{ 1 \text{ over } A, D \} \cdot U_A \text{ over set} \{ A, D \rightarrow \infty \} \text{Vongrigharrow } 0S$
S	mit II. und I.	$\text{color}\{blue\} \{ U, D \} = \{ 1 \text{ over } A, D \} \cdot U_A \text{ over set} \{ A, D \rightarrow \infty \} \text{Vongrigharrow } 0S$
$SU_A = \text{color}\{blue\} \{ -U, D \} - U, C_S$	mit II. und I.	$\text{color}\{blue\} \{ U, D \} = \{ 1 \text{ over } A, D \} \cdot U_A \text{ over set} \{ A, D \rightarrow \infty \} \text{Vongrigharrow } 0S$
$SU_A = \text{color}\{blue\} \{ -U, D \} - U, C_S$	mit V.	$\text{color}\{blue\} \{ U, C \} = \{ 1 \text{ over } C \} \cdot \text{color}\{blue\} \{ I, C \} \setminus dt + Q_0(t, 0)S$
$SU_A = \{ 1 \text{ over } C \} \cdot \text{color}\{blue\} \{ I, C \} \setminus dt + Q_0(t, 0)S$	mit IV.	$\text{color}\{blue\} \{ I, C \} = I, R_S$
$SU_A = \text{color}\{blue\} \{ - (1 \text{ over } C) \cdot \text{color}\{blue\} \{ I, R \} \setminus dt + Q_0(t, 0) \cdot \text{color}\{blue\} \{ I \} \} S$	Ausklammern	
$SU_A = - \{ 1 \text{ over } C \} \cdot \text{color}\{blue\} \{ I, R \} \setminus dt - \text{color}\{blue\} \{ Q_0(t, 0) \text{ over } C \} S$	Integrationskonstante betrachten	$\text{color}\{blue\} \{ Q_0(t, 0) \text{ over } C \} = U, C(t, 0) = -U, \{A0\}S$
$SU_A = - \{ 1 \text{ over } C \} \cdot \text{color}\{blue\} \{ I, R \} \setminus dt + U, \{A0\}S$	mit VI. und II.	$\text{color}\{blue\} \{ I, R \} = \{ U, R \text{ over } R \} = \{ U, E \text{ over } R \} S$
$SU_A = - \{ 1 \text{ over } C \} \cdot \text{color}\{blue\} \{ I, R \} \setminus dt + U, \{A0\}S$	Konstante vorziehen	
$SU_A = - \{ 1 \text{ over } R \cdot \text{color}\{blue\} \{ I, U, E \} \setminus dt + U, \{A0\}S$		

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Last update: 2021/05/09 09:45

