

rechnung_nichtinvertierender_verstaerker_eingangswiderstand

Student Group

First Name	Surname	Matrikel Nr.

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$R_E^0 = \frac{U_E}{I_p}$	$R_E^0 = \frac{U_E}{I_p}$	
$R_E^0 = \frac{U_E}{I_p}$	$R_E^0 = \frac{U_E}{I_p}$	mit I_p aus $R_D = \frac{U_D}{I_p}$
$R_E^0 = \frac{U_E \cdot R_D}{R_D + U_D}$	$R_E^0 = \frac{U_E \cdot R_D}{R_D + U_D}$	
$R_E^0 = \frac{U_E \cdot R_D}{R_D + U_D}$	$R_E^0 = \frac{U_E \cdot R_D}{R_D + U_D}$	mit $U_D = \frac{U_A}{A_D}$
$R_E^0 = \frac{U_E \cdot R_D \cdot A_D}{R_D + U_A}$	$R_E^0 = \frac{U_E \cdot R_D \cdot A_D}{R_D + U_A}$	
$R_E^0 = \frac{U_E \cdot U_A \cdot R_D \cdot A_D}{R_1 + R_2}$	$R_E^0 = \frac{U_E \cdot U_A \cdot R_D \cdot A_D}{R_1 + R_2}$	mit $A_V = \frac{U_E}{U_A} = \frac{R_1 + R_2}{R_2}$
$R_E^0 = A_V \cdot R_D \cdot A_D = \frac{R_1 + R_2}{R_2} \cdot R_D \cdot A_D$	$R_E^0 = A_V \cdot R_D \cdot A_D = \frac{R_1 + R_2}{R_2} \cdot R_D \cdot A_D$	

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