

calc_decimal_example

Student Group

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|---------|---|--|
| aus (0) | $A_V = \frac{U_A}{U_E}$ | |
| | $A_V = \frac{U_A}{U_2 + U_D}$ | mit (4): $U_E = U_2 + U_D$ |
| | $A_V = \frac{U_A}{U_2 + U_D}$ | |
| | $A_V = \frac{U_A}{U_2 + U_D}$ | mit (10): $U_2 = U_A \cdot \frac{R_2}{R_1 + R_2}$ |
| | $A_V = \frac{U_A}{U_A \cdot \frac{R_2}{R_1 + R_2} + U_D}$ | |
| | $A_V = \frac{U_A}{U_A \cdot \frac{R_2}{R_1 + R_2} + U_D}$ | |
| | $A_V = \frac{U_A}{U_A \cdot \frac{R_2}{R_1 + R_2} + U_D}$ | mit (1) |
| | $A_V = \frac{U_A}{U_A \cdot \frac{R_2}{R_1 + R_2} + U_D}$ | |
| | $A_V = \frac{U_A}{U_A \cdot \frac{R_2}{R_1 + R_2} + U_D}$ | |
| | $A_V = \frac{U_A}{U_A \cdot \frac{R_2}{R_1 + R_2} + U_D}$ | Erweitern mit $\frac{1}{U_A}$ |
| | $A_V = \frac{1}{\frac{R_2}{R_1 + R_2} + \frac{U_D}{U_A}}$ | |
| | $A_V = \frac{1}{\frac{R_2}{R_1 + R_2} + \frac{U_D}{U_A}}$ | mit $\frac{1}{U_A} \cdot A_D \rightarrow \infty = 0$ |
| | $A_V = \frac{1}{\frac{R_2}{R_1 + R_2}}$ | Bruch umformen |
| | $A_V = \frac{R_1 + R_2}{R_2}$ | |

From: <https://first.mexle.te.hs-heilbronn.de/> - **MEXLE Wiki**

Permanent link: https://first.mexle.te.hs-heilbronn.de/introduction_to_digital_systems/calc_decimal_example?rev=1631664763

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