

# calc\_decimal\_example

## Student Group

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\$I. Calculation example for decimal value

Table with columns: value, index, place value, digit, calculation, Result. Rows include values 2, 6, 5, 8, 4, 7 and their corresponding indices, place values (e.g., \$10^3\$, \$10^2\$), digits (2, 6, 5, 8, 4, 7), calculations (e.g., \$2 \cdot 10^3\$, \$6 \cdot 10^2\$), and the final result \$2658,47\$.

\$II. Betrachtung der Spannungsverstärkung

Table showing the derivation of the voltage gain formula \$A\_V = \frac{U\_A}{U\_E}\$. It includes steps from the definition of \$A\_V\$ to the final simplified formula \$A\_V = \frac{1}{1 + \frac{R\_2}{R\_1 + R\_2}}\$. Each step includes a mathematical derivation and a brief explanation in German.

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