

Isma'ün koeficienta uuenitzvee knivulje:

$$A(x_1, y_1) = (23^\circ C, 109 \Omega) \quad B(x_2, y_2) = (64^\circ C, 125 \Omega)$$

$$k(125 - 109) = \frac{1}{k}(x_2 - x_1) \quad (y_2 - y_1) = \frac{1}{k}(x_2 - x_1)$$

$$k = \frac{41 \text{ K}}{16 \text{ K}} = 2.56 \text{ K/}\alpha$$

M4.) $T_1 = 89^\circ\text{C} = 372\text{K}$
 $T_2 = 106,2352 \cdot 2,56\text{K}/52 = 272\text{K}$
 $T_2 = 108,1 \pm 52 \cdot 2,56\text{K}/52 = 278\text{K}$

12.) $T_1 = 38^\circ\text{C} = 311\text{ K}$
 $T_2 = 107,652 \cdot 2,56\text{ K}/2 = 276\text{ K}$
 $T_3 = 171,28 \cdot 2,56\text{ K}/2 = 285\text{ K}$

$$c' = m' \cdot c(\text{mg}) = 0,29 \text{ mg} \cdot 360 \text{ J/kgK} = 104,8 \text{ J/K}$$

[illegible]

$$\bullet \text{ Clus } p_2 = m_2 \cdot \sigma = 0,926 \text{ kg} \cdot 1180,1 \text{ kg} \cdot \text{m}^2/\text{s}^2 \cdot \text{K} \cdot \text{m}^2/\text{s}^2 \cdot \text{K} = 3035,4 \text{ J/K}$$

$$10 + 10 + 10 + 10 = 40$$

$$\text{H.K.) } C_1 = 104,8 \text{ J/K} + 2,45 \text{ J/K} + 2,45 \text{ J/K} + 2,45 \text{ J/K} = 304,8 \text{ J/K}$$

$$\text{H2.) } Q_2 = 104,8 \text{ J/K} + 245 \text{ J/K} + 2,47 \text{ J/K} + 3035,4 \text{ J/K} = 3445,72 \text{ J/K}$$

$$\begin{aligned} (11.) \quad c_1 &= \frac{c_1}{T_2 - T_1} \cdot \frac{T_1 - T_2}{w_1} = \frac{3048,72 \text{ J/K}}{278 \text{ K} - 272 \text{ K}} \cdot \frac{272 \text{ K} - 278 \text{ K}}{0,125 \text{ kg}} = 453,5 \text{ J/kgK} \\ (12.) \quad c_2 &= \frac{c_2}{T_2 - T_1} \cdot \frac{T_1 - T_2}{w_2} = \frac{3145,12 \text{ J/K}}{255 \text{ K} - 250 \text{ K}} \cdot \frac{255 \text{ K} - 250 \text{ K}}{0,628 \text{ kg}} = 487,0 \text{ J/kgK} \end{aligned}$$

Sitzungsinhalte:

[illegible]