

V201 - Dulong - Petitsches Gesetz

$$m_{\text{Kalori}} = 856,84 \text{ g}$$

$$m_{\text{Graphit}} = 237,92 \text{ g} - 139,77 \text{ g} = 97,75 \text{ g}$$

① Kapazität Kalorimeter

$$T_x = 20,7^\circ\text{C}$$

$$m_x = 300 \text{ g}$$

$$T_y = 82,6^\circ\text{C}$$

$$m_y = 300 \text{ g}$$

$$T_{\text{w}} = 50,9^\circ\text{C}$$

Kapazität Graphit

$$m_{\text{w}} = 600 \text{ g}$$

$$T_{\text{w}1} = 22,3^\circ\text{C}$$

$$T_{\text{Graphit}1} = 82,8^\circ\text{C}$$

$$T_{\text{w}2} = 22,6^\circ\text{C}$$

$$T_{\text{w}2} = 22,3^\circ\text{C}$$

$$T_{\text{Graphit}2} = 92,3^\circ\text{C}$$

$$T_{\text{w}2} = \text{---} 24,5^\circ\text{C}$$

$$T_{\text{w}3} = 25,6^\circ\text{C}$$

$$T_{\text{Graphit}3} = 87,5^\circ\text{C}$$

$$T_{\text{w}3} = 26,4^\circ\text{C}$$

Kapazität Blei

$$m_{\text{Blei}} = 535,33 \text{ g}$$

$$m_{\text{w}} = 600 \text{ g}$$

$$T_{\text{w}1} = 26,2^\circ\text{C}$$

$$T_{\text{Blei}1} = 81,4^\circ\text{C}$$

$$T_{\text{w}2} = 28,3^\circ\text{C}$$

$$T_{\text{w}2} = 26,6^\circ\text{C}$$

$$T_{\text{Blei}2} = 93^\circ\text{C}$$

$$T_{\text{w}2} = 29,4^\circ\text{C}$$

$$T_{\text{w}3} = 30,3^\circ\text{C}$$

$$T_{\text{Blei}3} = \text{---} 94,2^\circ\text{C}$$

$$T_{\text{w}3} = 30,8^\circ\text{C}$$

Kapazität Aluminium

$$m_{\text{Al}} = 247,08 \text{ g} - 140,50 \text{ g} = 106,58 \text{ g}$$

$$m_{\text{w}} = 600 \text{ g}$$

$$T_{\text{w}1} = 30,4^\circ\text{C}$$

$$T_{\text{Al}1} = 90,5^\circ\text{C}$$

$$T_{\text{w}2} = 31,5^\circ\text{C}$$

$$T_{\text{w}2} = 32,6^\circ\text{C}$$

$$T_{\text{Al}2} = 87^\circ\text{C}$$

$$T_{\text{w}2} = \text{---} 34,2^\circ\text{C}$$

$$T_{\text{w}3} = 34,2^\circ\text{C}$$

$$T_{\text{Al}3} = 83,2^\circ\text{C}$$

$$T_{\text{w}3} = 35,2^\circ\text{C}$$

Scout