

$$\Delta V_{\text{üv}} = 400 \text{ cm}^3 \cdot 0,000\,025\,83 \frac{1}{\text{fok}} \cdot 100^\circ = 1,0332 \text{ cm}^3,$$

$$\Delta V_{\text{Hg}} = \Delta V_{\text{üv}} + 6,228 \text{ cm}^3 = 7,2612 \text{ cm}^3,$$

$$\Delta V_{\text{Hg}} = \gamma \cdot V_{0,\text{Hg}} \cdot \Delta t = \gamma \cdot 400 \text{ cm}^3 \cdot 100 \text{ fok},$$

$$\gamma = -\frac{7,2612}{4 \cdot 10^4} \frac{1}{\text{fok}} = 0,000\,1815 \frac{1}{\text{fok}}.$$

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