

Auswertung

Ergebnisse

$$s_1 = (1437.0 \pm 13.0) \text{ W}$$

$$s_2 = (1144000.0 \pm 7000.0) \text{ W}$$

$$s_3 = (0.0 \pm 0.1) \text{ W}$$

$$s_4 = (7e-05 \pm 1e-09) \text{ W}$$

$$s_5 = (14.0 \pm 1.0) \text{ W}$$

$$s_6 = (41.9 \pm 2.9) \text{ W}$$

$$T = (0.0 \pm 50000000.0) \frac{\sqrt{\text{kgi}}}{\text{s}^{\frac{3}{2}}} \text{m}$$

Fehlerformeln

$$\sigma_T = \sqrt{\frac{\sigma_{s_2}^2 \left(-\frac{1}{2} + \frac{1}{2s_3}\right)^2}{-s_2 + \frac{1}{s_3}(-s_1 + s_2)} + \frac{\sigma_{s_1}^2}{4s_3^2 \left(-s_2 + \frac{1}{s_3}(-s_1 + s_2)\right)} + \frac{\sigma_{s_3}^2 (-s_1 + s_2)^2}{4s_3^4 \left(-s_2 + \frac{1}{s_3}(-s_1 + s_2)\right)}}$$