Formeln

Physik

Elektrik

 $\begin{array}{l} U = R \cdot I \\ F_{El} = q \cdot \frac{U}{d} \\ Q = U \cdot C \\ W_{el} = q \cdot U_B \\ \text{Coloumbgesetz: } F_{el} = \frac{1}{4\pi\epsilon_0} \cdot \frac{q_1 \cdot q_2}{r^2} \end{array}$

Mechanik

$$S_Y = \frac{1}{2}at^2$$

$$E_{kin} = \frac{1}{2} \cdot m \cdot v^2$$

Mathe

Integralrechnung

$$A = \int_0^1 x^2 \cdot dx = \left[\frac{1}{3}x^3\right]_0^1 = \frac{1}{3} \cdot 1^3 - \frac{1}{3} \cdot 0^3 = \frac{1}{3} - 0 = \frac{1}{3}$$

Chemie