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Action Quantum, Planck Constant (Energy-Frequency-Slope)<sup>1</sup>:

$$\begin{aligned} h = \tan(\alpha) &= \frac{E_{kin}}{\nu_i - \nu_0} = \frac{eV_{0i}}{\nu_i - \nu_0} \equiv \\ \frac{\Delta E}{\nu_0} &= \frac{W}{\nu_0} = \frac{F_{EM} \cdot x}{\nu_0} = \hbar k \lambda \end{aligned} \quad (1)$$

$$\hbar = \frac{\Delta E}{\omega} = \quad (2)$$

$$\begin{aligned} \alpha &= \angle(E_{kin}, \nu) \quad e = \text{electron charge} \\ V_0 &= \text{Opposing Potential } (I = 0) \quad E_{kin}^{max} = eV_0 \end{aligned} \quad (3)$$

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<sup>1</sup>Wirkungsquantum