$$d = r_{\mathrm{CC}} \frac{\sqrt{3}}{\pi} \sqrt{n^2 + nm + m^2}$$

$$P = \mathrm{e}^{-\frac{2L}{\hbar}\sqrt{2m(V_0 - E)}}$$

$$E_n = \frac{h^2 n^2}{8 m^* L^2}$$

$$\Delta E = h\nu = \frac{hc}{\lambda}$$

$$d = \frac{MZ}{N_A V}$$

$$m_e = 9{,}11 \cdot 10^{-31}\ \mathrm{kg}$$

$$h = 6{,}63 \cdot 10^{-34}\ \mathrm{J\,s}$$

$$\hbar = 1{,}05 \cdot 10^{-34}\ \mathrm{J\,s}$$

$$c = 3{,}00 \cdot 10^{8}\ \mathrm{m\,s^{-1}}$$

$$N_A = 6{,}02 \cdot 10^{23}\ \mathrm{mol^{-1}}$$

$$r_{\mathrm{CC}} = 1{,}42 \cdot 10^{-10}\ \mathrm{m}$$

$$1\ \mathrm{eV} = 1{,}60 \cdot 10^{-19}\ \mathrm{J}$$

	Si	Ge	GaN	GaAs	ZnSe
m^*/m_e	0,20	0,041	0,13	0,067	0,21