(1)
$$\Delta N_{i}^{*} = \frac{\gamma}{\sigma \cdot l} + \gamma = \frac{\gamma_{i} + \gamma_{i}}{2} + \gamma_{i}^{*} = \frac{0.01 + 0.01}{2} + 0.01 = \frac{1}{50} = 0.00$$

$$\frac{1}{N_7 - 4N_4^{25}} \cdot \frac{1}{7_{21}} = \frac{4.1666 \cdot 10^{23}}{2 \cdot 10^{25} - 4.1666 \cdot 10^{23}} \cdot \frac{1}{0.2 \cdot 10^{-3}} = \frac{406.38125}{20.200}$$

$$W_{21} = 2 \cdot 11 \cdot V_{21} = 2 \cdot 11 \cdot \frac{C}{\lambda}$$

$$W_{11} = 2 \cdot 11 \cdot \frac{3 \cdot 10^{8}}{615 \cdot 10^{-9}} = 3.0649 \cdot 10^{-9}$$

$$P_{L} = \frac{V_{1} \cdot h \cdot W_{21} \cdot h^{2}}{2 \cdot \ell \cdot L \cdot L_{21}} \cdot \frac{h \cdot W_{5}}{W_{5}^{*}} - 1 = \frac{2 \cdot 10^{-8} \cdot 1_{10546 \cdot 10^{-34}} \cdot 3_{10649 \cdot 10^{15} \cdot 0_{101}}}{2 \cdot \ell \cdot L \cdot L_{21}}$$

$$\left(\frac{425,5248}{106,3811}-1\right)=\frac{10,101}{100}$$

②-maine planjarally revorsion => radpuni je nelopiení
$$R_1 = R_2 = \infty$$

$$d = \frac{2}{3} + \frac{10^9}{3} = \frac{3.10^8}{3.00}$$

$$2d \cdot 3.10^9 = \frac{3.10^8}{3.10^9}$$

$$d = \frac{3.10^8}{2.3.10^9}$$

$$d = \frac{1}{20} m$$

Videalenost rekadiel o plungaral. Ner. je $\frac{1}{10}$ m = 0,05 m = $\frac{5 \text{ cm}}{5 \text{ cm}}$ Labryvine rehadla viene a Sivie, re pri planjaral. revon. je D

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