$$\lambda_{m_1} = 2.10^{-6} \text{ M}$$

$$\Delta T = 600 \text{ K}$$

$$\lambda_{m_2} - \frac{2}{3}$$

$$\lambda_{m_1} = 2 \cdot 10^{-6} \text{ M}$$

$$\Delta T = 600 \text{ K}$$

$$\lambda_{m_2} = \frac{b}{T_1} \implies$$

$$\lambda_{m_2} = \frac{b}{T_1 + \Delta T}$$

$$\lambda_{m_2} = \frac{b}{T_1 + \Delta T}$$

$$\lambda_{m_3} = \frac{b}{T_1 + \Delta T}$$

$$\lambda_{m_4} = \frac{b}{T_1 + \Delta T}$$

$$\Rightarrow \text{ narassnal } \tau \text{ conepasyna}$$

$$T_1 = \frac{b}{\lambda_{m_1}}$$

$$\frac{\lambda_{m_2}}{\lambda_{m_1}} = \frac{T_1}{T_1 + \Delta T} = \frac{1}{1 + \frac{\Delta T}{T_1}} \Rightarrow$$

$$\lambda_{m_2} = \frac{\lambda_{m_1}}{1 + \frac{\Delta T}{T_1}} = \frac{\lambda_{m_1}}{1 + \frac{\lambda_{m_1} \Delta T}{6}} = \frac{2.10^{-6}}{1 + \frac{2.10^{-6}.600}{2,9.10^{-3}}} =$$

$$\frac{\lambda = 5.10^{-11} \text{ M}}{V_{\text{max}} - ?}$$

По формирие Эйнигейна дле фотограма эпериал фотом

 $\mathcal{E} = hy = \frac{hc}{\lambda} = A + T_{max}$, h-nocroannas

Neanxa

$$\mathcal{E} = \frac{hC}{\lambda} = \frac{6,63 \cdot 10^{-34} \cdot 3.10^{8}}{5.10^{-11}} = 3,98 \cdot 10^{-15} \, \mathcal{B}_{M} =$$

$$= \frac{3,98 \cdot 10^{-15}}{1,6 \cdot 10^{-19}} \ \partial B = 2,49 \cdot 10^{4} \partial B = 24,9 \ \text{K}\partial B$$

Due menspair mequie nonar $m_0C^2 = 511 \text{ K} + 38$, T.C. $E \ll m_0C^2 \Rightarrow menspone Sygys nepairablucterium <math>\Rightarrow$ naramanias rinearreciae mequie menspones burnanacia no populgie riacaireción uexamina

$$T_{max} = \frac{m \sqrt{max}}{2}$$

B npeues pemenne passocie baroga $\mathcal{E} = T_{max} \Rightarrow$ $\mathcal{E} = \frac{mV_{max}^{2}}{2} \Rightarrow$

$$V_{\text{max}} = \sqrt{\frac{2E}{m}} = \sqrt{\frac{2 \cdot 3.98 \cdot 10^{-15}}{9.10^{-31}}} = 9.35 \cdot 10^{-2} \text{ M/C}$$

$$\frac{613}{K=3}$$

$$\frac{K=3}{\lambda-2}$$

Cepuaronae populpia que cepui bannepa $\lambda = \frac{1}{R(\frac{1}{1^2} - \frac{1}{n^2})}$, R-no covannae R

$$\lambda = \frac{1}{R(\frac{1}{2^2} - \frac{1}{5^2})} = \frac{1}{R(\frac{1}{4} - \frac{1}{25})} = \frac{100}{21R} = \frac{100}{21 \cdot 1,057 \cdot 10^7} =$$