$$E = \int_{M^{2}} x^{2} + p^{2} \cdot c^{2} = \lambda \cdot m \cdot c^{2}$$

$$Photon \quad m = \emptyset$$

$$E = p, C = \lambda \cdot m \cdot c^{2} \quad \lambda = 00 \quad m = \emptyset$$

$$De \text{ 8-raglie} \quad \lambda = h/p = -\lambda = c/f$$

$$E = p c = h \quad f \quad \text{prequency mod shange}$$

$$glass \quad n = 1.5 \quad \nabla = \frac{c}{1.5} \quad \lambda = \frac{c}{n.f}$$