$$A_R = \frac{Q_R^2}{Q_R^2 + \Delta^2}$$

$$\frac{T_{R} = \frac{2\pi}{\sqrt{\Omega_{R}^{2} + \Delta^{2}}} = \frac{1}{f_{R}}$$

र्भ उपप्रशंतानव हम्बार्श (इसरहें) वेति मार देवित्रमाडम द्वारं 20 d) हिव्हर्स्वा

• and to "njatos, to 3 mjektpinos nesion & $\vec{E} = \vec{E}_a \cdot \exp[i(\vec{k} \cdot \vec{r} - \omega t + \phi)]$

$$= \vec{\xi}_{a} - \exp[i(\vec{k}\cdot\vec{R} + \phi)] = i\omega t$$

$$\vec{\xi} + \vec{k} = \vec{R}$$

κι αν δι $\Phi_{1}(\vec{r})$ και $\Phi_{2}(\vec{r})$ έχουν 3/8ια δμοτιμία $\beta=0$ δπότε δεν δπάρχει τα μάντιωση η

$$A = \frac{g^2 n}{\Omega_n^2} = \frac{g^2 n}{\left(\frac{\omega - \Omega}{2}\right)^2 + g^2 n} = \frac{4g^2 n}{4g^2 n + \Delta^2}$$

$$T = \frac{\pi}{\Omega_n} = \frac{2\pi}{\sqrt{4g^2n + \Delta^2}}$$

South Kaldrepa va Spisoupe
$$4g^2n = \Omega_R^2 = 2\sqrt{n}g$$

$$\frac{1}{2m} = |g| \left(\frac{1}{2m} + \frac{1}{2m}\right)^{1/2} \sin\left(\frac{m\pi z}{L}\right) \Rightarrow \frac{1}{2m} = \frac{1}{2m} \frac{1}{2m} = \frac{1}{2m} \frac{1}{2m} = \frac{1}{2m} \frac{1}{2m} \frac{1}{2m} = \frac{1}{2m} \frac{1}{2m} \frac{1}{2m} = \frac{1}{2m} \frac{1}{2m} \frac{1}{2m} = \frac{1}{2m} \frac{1}{2m} \frac{1}{2m} \frac{1}{2m} = \frac{1}{2m} \frac{1}{2m$$

$$\frac{1}{2\sqrt{n}} = |\beta| \left(\frac{t\omega_m}{\epsilon_0 V}\right)^{1/2} \sin\left(\frac{m\pi z}{L}\right) = 0$$

$$\Omega_R = \frac{|\mathcal{F}|}{\hbar} \left(\frac{4\hbar\omega_m n}{\epsilon_s V} \right)^{1/2} sin\left(\frac{m\pi^2}{L} \right) := \frac{|\mathcal{F}|E_{om}}{\hbar}$$

Onôte, Enady & rwkvòtuta Eveppeiar Elval

$$U = \frac{\varepsilon}{2} E^2$$

Edw la Exoupe

$$\frac{\epsilon_0}{2} = \frac{\epsilon_0}{2} \frac{4\hbar \omega_m n_m sin^2}{\epsilon_0} \left(\frac{m\pi z}{L} \right)$$

$$= \frac{2\hbar \omega_m n_m}{V} \left\{ \frac{1}{2} - \frac{1}{2} \cos \left(\frac{2m\pi z}{L} \right) \right\}$$

$$= \frac{\hbar \omega_m n_m}{V} \left\{ 1 - \cos \left(\frac{2m\pi z}{L} \right) \right\}$$

νη δησία είναι πράγματι πυκνότητα ενέργειας και μάχιστα, εκτός από τη διαμόρφωση {...}

& apilyminis Elian & apilyos two punorium Eni Tun Evéppera Tou Kalt Gurroriou Ki à naparoyaenin & ignor this Kolfatures

$$\int_{0}^{L} dz \left\{ 1 - \cos \left(\frac{9m\pi z}{L} \right) \right\} = \int_{0}^{L} dz - \int_{0}^{L} dz \cos \left(\frac{9m\pi z}{L} \right)$$

$$\int_{0}^{L} dz U = \frac{t \omega_{m} m_{m}}{S \cdot L} = \frac{t \omega_{m} m_{m}}{S}$$

$$\int_{0}^{L} dz U = \frac{t \omega_{m} m_{m}}{S \cdot L} = \frac{t \omega_{m} m_{m}}{S}$$

$$\int_{0}^{2m\pi z} dy \cos y = 0$$