mix + bix + kx= F = 2 Eo e -iwt $\chi \sim \chi_0 e^{i\omega t}$ (ω) $(-h\omega - ib\omega + k) = 2to$ k=wo b=y $N = \frac{2}{2E} N = \frac{2}{Polarization}$ $N = \frac{2}{M(W^2 - W^2 - iVw)} \qquad Polarization$ P = No2 1 Wo2-w2-iwr P= EO XE i) $\chi(\omega)$ $\omega \rightarrow \omega$ $\chi_0(\omega) \longrightarrow 0$ X(w) = X' + iX"

>0

A proprior has to be + 11) , evanescent · surface wave 140 Xfree dection = NE Watir)

RI= Fresnel coefficient Water Waves (E, k2 - E2 k1) RTE = kg kg kg2 + kg/ =0 (S But sphere can be excited It can radiate G 8/6/2006 $t\omega_p = E_f - E_i$ $tk = \vec{P_1} - \vec{P_1} + \vec{q}$ Atom S franslation electronic