Hzn = 1, cos(kxx) e-jk2 = Hz = Nz cos ( kx x) e-jkz = Ex= -i ( Lz Jx Ez + wn Jy Hz) 12 12 2 12 En Mo - 12 + 12 = 12 = 12 = 10 = 2 = 10 =  $E_{y} = \frac{-i}{K^{2}} \left( k_{2} \frac{\partial}{\partial y} E_{2} + \omega_{M} \frac{\partial}{\partial x} H_{2} \right)$  $H_{x} = \frac{-1}{H^{2}} \left( \chi_{2} \frac{\partial}{\partial x} H_{2} + \omega_{M} \frac{\partial}{\partial y} F_{2} \right)$ K = h 2 - k 2 L2 = L2 + L2 + L2 Hy = - 1 ( ( 2 ) Hz + wm 5x [2) Ks h2+k2+k2)- k2 1. Ky= hy- kzy = kxy+kzy-kzy = hxy  $E_{x} = \frac{1}{\sqrt{2}} \left( \sqrt{2} \times E_{z} + \omega_{M} \frac{\partial}{\partial y} + \frac{1}{2} \right) \Rightarrow \frac{1}{\sqrt{2}} \omega_{M} O = 0$  $E_{y} = \frac{-i}{k_{x_1}^2} \left( k_{\frac{1}{2}} \frac{\partial}{\partial y} E_{\frac{1}{2}} + \omega_{M} \frac{\partial}{\partial x} H_{\frac{1}{2}} \right) = -\frac{i}{k_{x_1}^2} \omega_{M} A_{n} \sin(k_{x_1} x) k_{x_1} e^{-jk_{\frac{1}{2}} \frac{\partial}{\partial x}}$ = -1 WM A, Sin(Kxxx) Kxre -j kz Z  $H_{x} = \frac{1}{k_{x1}^{2}} \left( k_{z} \frac{\partial}{\partial x} H_{z} + \omega_{M} \frac{\partial}{\partial y} \Gamma_{z} \right) = \frac{1}{k_{x1}} k_{z} \omega_{M} \lambda_{M} \sin(k_{x1}x) k_{x1} e^{jk_{z}z}$  $H_{y} = \frac{1}{\sqrt{2}} \left( \sqrt{2} + \sqrt{2} + \omega_{y} + \omega_{x} + \omega_{y} \right) = 0$