

```
pacenompun. Bonuy, serveyes 68000 ou 2: == Eo(x,y)eikzz-iwt
prunges Eo(x,y) yook nembobsem. yb-muo:
   \frac{\partial^2 \vec{E_0}}{\partial x^2} + \frac{\partial^2 \vec{E_0}}{\partial y^2} + \left(\frac{\omega^2}{c^2} - k_{\tilde{e}}^2\right) \vec{E_0} = 0
smo Aprenenne unesur pennenne engu
SEx = Ax cos (kxx) sin (kxy) eik=2-iwe
[ Ey = Ay sin (kx x) cos (kyy)e 1k22 - 1wt
                                             Tp. vonobusu, (Ex|v=0=Ex|v=b=0 u Ey|x=0=Ey|x=0)
 4mosus peuceure voob nerboporo
meoskodimo.
     k_x = \frac{nn}{a}
                ky = nm
\frac{\omega^2}{c^2} = k_x^2 + k_y^2 + k_z^2 = (\frac{\pi n}{6})^2 + (\frac{\pi m}{6})^2 + k_z^2 m,n ue u.s. = 0 oduo bpeneuro_ m.u. morda \vec{E} = 0
morda kommunecuas (mummerous) yamoma bonun:
       Wep = nc
\lambda = \frac{k_2}{20}
perguamop - y composiçondo, 6 no mopou, no una nouex. vauonneure suepour vonezauni, no una bosevoir
is buenners um oruma
osociumi pezonamop - zamunumas (um, normu zamunumas) nonocono c xopomo nbobodonyum
conclusion.
резоинтор волиовод, в ист. вког и виког заприти. металимесими заглушиним.
TE-BONUA BOOLD Z:
 E2=0
                  uz-za unumus consuor peznomuphorus Bonna — cynepnoguyus npomoù u ompanieunoù servujux Bonn.
                       S(2) = Aeik22+Beik22
          E(x,y,2,t) = F(x,y) $(2) eiwt
 ĒII cmeuwam ==0 u ==h → f(0) =0 (uz rp.
f(h) =0 (yonobuū)
 moron A+B=O Aeikah + Beikah=0
          \beta(2) = A \sin(k_2 2) k_2 = \frac{\pi p}{2}
       cneumb Boun, B begovermobe:
      \frac{\omega^2}{c^2} = \left(\frac{nn}{a}\right)^2 + \left(\frac{nm}{b}\right)^2 + \left(\frac{np}{h}\right)^2
```