ТЕТРАДЬ

для 23	по физике
учени	класса
PK6-366	школы
Cepreeboi	7
	Дидны
ученикласса 	



32000 4 1 Perieure: 5(2,t) = 5mco3(wt-k2) K = 26 Du · Bootsew bude: E17,4) = Fme 2(wt-Fit + 40) H(2,t) + Hm e 1(wt - Ki + 40) RE = Kx X + Ky y + K7 2 = K7 Z = KZ (57-97) 2) = (212) = Eme (wt-K2+40)

Keo-? II (2, t) = IIm e ((wt-K7 + 40) Uz yp-9 Monchenica & Diego opopule rot $\overline{E} = \frac{\mathcal{D}B}{\partial t}$ Ho $\frac{\partial \overline{U}}{\partial t}$ = $\frac{Ey=|E|=E}{Ex=Ez=0}$ $\frac{Uy=Hx=0}{Uy=Hx=0}$ $Ex = E_2 = 0$ Uy = Hx = 0 $Vol E = \begin{cases} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{cases} \Rightarrow \begin{cases} \frac{1}{2} & \text{potop bentopuoto hone } E \end{cases}$ $Ex Ey E_2 = \begin{cases} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{cases}$ (E) Son Son = DE(7,t) = DE

5x (Eme ilwt-K3+ fb) = - KEme ilwt-K3+ fb) = St SH I + SHI - ST K - SHJ => - K Em eilwt-12+40) = - 100 0tj DH - KEM & (104-14-40) U= 5 KEm pilut-K2+40 dt - KEm pilut-K2+40) . Hm = KEM $K = \frac{2n}{\lambda} = \frac{2n\partial}{\partial x} = \frac{\omega}{C}$, $C = \sqrt{Eople'} = \frac{1}{8} \frac{1}{$ =) w=ke => Hm = Fm HOC T.K. S(z,t) = Sm cos2 (wt-kz) 4 5 = [E]H] 5 = [F 4] = Em cos (wt - K2+ fo) · Hm cos (wt - K2+ fo) = = tm cos2 (kct-K2+f0) Smcos² (kct - k2) = Em cos² (ket - k2+ fo)

M Donnuno Sorro pabro pou modori apoze karesamus

=> yo=0

=> Sm-Em

Nol

Em - Vilocsm' E- Yulo CSm cos (Kct - KZ) E(2, t) = JUOCSm' cos (kct - K7) [+4) · H(x,t) · Hm cos (kct - k7) = Fm cos (kct - k7)= The Molsm cos (ket - KZ) = V Jim cos (ket - KZ) 11(7,t) = / fm cos(ket- K7)] $ω=ω_E+ω_H=\frac{E_0E^2(2H)}{2}+\frac{pi_0H^2(7,t)}{2}$ $ω_E-οδεξιιεμ. πιερπικος το τπερτικο τρεκτρισ. ποπη
<math>ω_H-οδεξιιεμ.$ πιερπικ. τπερτικο ωρτικοτη. ποπη $ω(7,t)=\frac{E_0}{2}M_0CSmCOs^2(kct-kg)+\int \frac{M_0Sm}{2}cos^2(kct-kg)=$ 2 dm co12 (Ket- R7) (5>= 7 / 5(t)dt (\$> = \frac{1}{7} \sim \cos^2 (\kct - \kap) dt = \frac{\frac{1}{7}}{7} \sigma \cos^2 (\kct - \kap) dt =

7. K. < cos (kct-K2) = 7 8 cos (kct-k2) df = 1 } 11+ $+\cos(2(kct-k+2)tt = 1/2$ $(T = \frac{2n}{10} = \frac{2n}{kt})$ $\sqrt{5} > \frac{1}{7} \int_{-7}^{7} \int_{-7}^{7} \int_{-7}^{7} \cos^2(kct-k+2)dt = \int_{-7}^{7} \int_{-7}^{7$ (5>= Smi · Cooner za nepreso nonestanués znorencie mem noctu nomono mepreus: <5>= = [s(t)dt = Mayes beumapo Tratemuma <S> = I I Sm COs2/Kct-KetH = Im D- bennop menmpurections Jan 2 St D=880E 8=1 D= ES/Mc CSm cos (Kct- K4)2 Jem = 5t = - Eokc/Masm sin (ket-kz) 1 = =- K/Eocsm sin (ket-kz) 1 · < | jau 1) = 7 // K Kocsm & sin (Kct- +2) / dt = = 20 K/Ecsm / "Ism(ket-k7)/dt=

KCK VEOCSM' (I sin (kct-kz)dt f (-sin(ket-kz))dt)=

kc K /EOCSM' green (kct-kz)dt= ke

To K /EOCSM' green (kct-kz)dt= ke = KVECSM (-cos(91-k7)+cos(-k7)- KVEOCSM) - 2h 1800 Sm Maus - dk VEOCSM $\bullet \quad \overline{Reo} = \frac{S}{C^2}$ Ka (2,t) = (2,t) Ked (2,+1= sm cos2 (kct-kq) . Васновог ур-е али могнети и электрич. rounoneum Voycer bud: $\frac{\partial^2 E}{\partial t^2} = S^2 \left(\frac{\partial^2 E}{\partial x^2} + \frac{\partial^2 E}{\partial y^2} + \frac{\partial^2 E}{\partial z^2} \right)$ 24 - D2 (2x2 + 242 - 241) U= EOHOEPU

DE + CZ DE 21 = 65 A1 E(x,t) = Mocsmi cos (kg-K9)i H(x,t) = / sm' cos(kct- K2) j 012 = - K2Cd (MoCSin (OS (ket - KZ)) 2/2 = - k2/ Mocsin Las (kcd- K2) [22H = - 12e2 / Sm cos(ket-12)] 3H -- K? / Sm cos (Ket - K2)] Tiput=0: