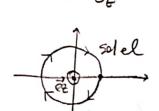
ÖDEV 3

1-) Agisal frekons w +2 your Gentik to SI el polorize

Migit Belfor Gurry 0101 8063 Yeppeller.



b)
$$\vec{H}(z_1t) = \frac{1}{z} \vec{n}^2 \times \vec{E} = \frac{1}{z} \vec{e}_z^2 \times [E_0 \cos(kz - \omega t) \vec{e}_y^2 - E_0 \sin(kz - \omega t)]$$

 $\vec{H}(z_1t) = \frac{E_0}{z} [\cos(kz - \omega t) \vec{e}_y^2 + \sin(kz - \omega t)]$
 $\vec{H}(z) = \frac{E_0}{z} [e^{-zkz} - ze^{-zkz} \vec{e}_y^2]$
 $\vec{e}_z^2 = \vec{e}_z^2 - ze^{-zkz} \vec{e}_y^2$
 $\vec{e}_z^2 = \vec{e}_z^2 - ze^{-zkz} \vec{e}_y^2$
 $\vec{e}_z^2 = \vec{e}_z^2 - ze^{-zkz} \vec{e}_y^2$

C)
$$P(z,t) = \vec{E}(z,t) \times \vec{H}(z,t) = 60 \text{ [cos lez-whicz-sin(z,-whicz)]} \times \frac{\vec{E}_0}{\vec{e}} \text{ [cos lez-whicz]} \times \frac{\vec{E}_0}{\vec{e}} \text{ [cos lez-whi$$

2-) Koyipli ottom igin;
$$L^2=4\pi^2 10^{16}$$
. $\frac{4\pi}{12\pi} 10^{-16}$ $\frac{4\pi}{12\pi} 10^{-16}$ $\frac{4\pi}{12\pi} 10^{-16}$ $\frac{1}{12\pi} 10^{-16}$ $\frac{$

ρε (1/2) = 1/2 = 3.78 = 239×10-3 = 239×10-3 = 239×10-3 = 239×10-3 = 239×10-3 (|Ε| (2) -|Ε| (2) -|Ε| (2)) = 2.7+ω = 3 Grit we gives for his for his fill and his fill and his fill sign of the sign o

3)
$$l^{2} = 10^{3} lb$$
 ($l^{2} = 200 lb$ ($l^{2} = 200 lb$) $l^{2} = 100^{3} lb$ ($l^{2} = 200 lb$) $l^{2} = 100^{3} lb$ ($l^{2} = 200 lb$) $l^{2} = 100^{3} lb$ ($l^{2} = 200 lb$) $l^{2} = 100^{3} lb$ ($l^{2} = 200 lb$) $l^{2} = 200 lb$ ($l^{2} = 200 lb$) $l^{2} = 200 lb$

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 $f(z) = z_1 + \frac{1}{2} = \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{2} \times \frac$

b) k=2 igin $\rightarrow \beta=2$; kaypsit ofon $\lambda = \frac{2\eta}{k} = \pi I$ $V = \frac{\omega}{k} = \frac{3x10^8}{2} = 1.5 \times 10^8 \text{ mls}$

4-) $\mu = M_0$, $\Sigma = 80$, $\sigma = 0$, $L^2 = \omega^2 4 = 5M_0$ $+ \frac{1}{2}(x_1 + |x_1|)^3 = \frac{1}{2}(x_1$

Ps=Port, Alon= 5772 1. 6011 (5.10-1)=0,185 W= 185 NW