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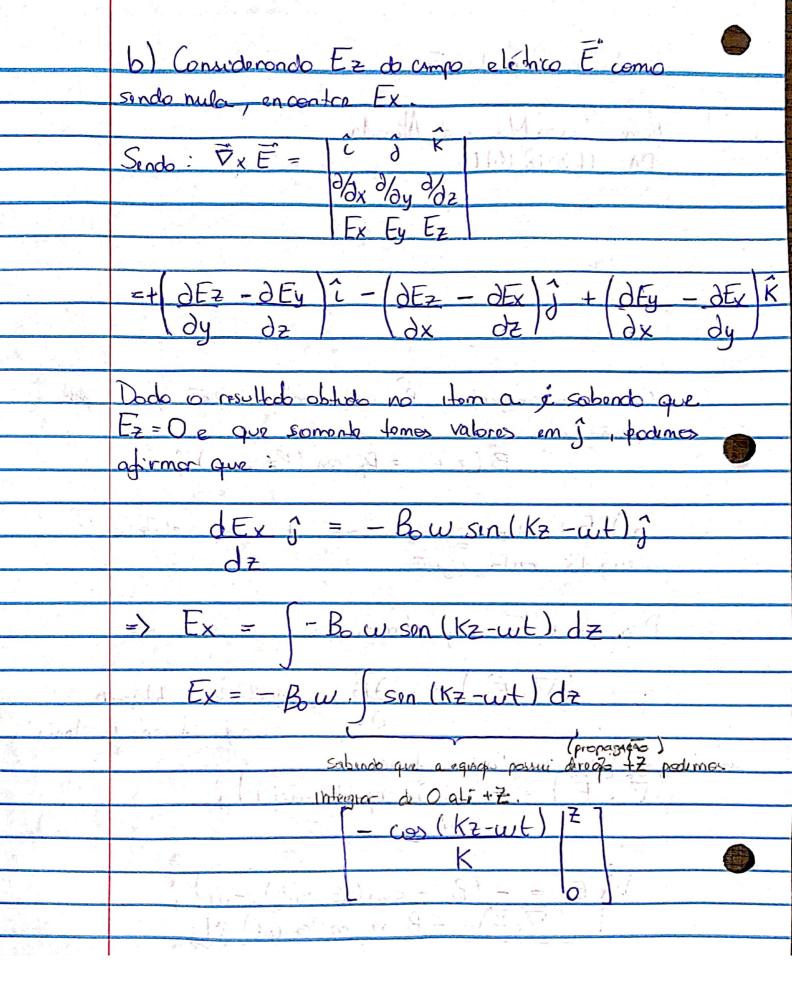


O campo magnético
$$\vec{B}$$
 em certa rigino é dado pela expressão abouto:
$$\vec{B}(z,t) = \vec{B}(z,t)$$

(
$$\vec{7} \times \vec{E}$$
) = - $\frac{\partial (B_0 \cos (K_z - \omega t))}{\partial t}$

$$\widehat{\nabla}_{x}\widehat{E} = -(B_{0} - \operatorname{sen}(K_{2} - \omega t) - \omega)\hat{j}$$

$$\widehat{\nabla}_{x}\widehat{E} = -B_{0}\omega \operatorname{sen}(K_{2} - \omega t)\hat{j}$$



Partonto: $E_{X} = -B_{0}\omega \left[-\cos(K_{Z}-\omega t) + \cos(K_{.}0-\omega t)\right]$ $= \sum_{K} \frac{1}{E_{X}} = -\frac{1}{B_{0}w} \left[\cos(wt) - \cos(kz - wt) \right]$ Ex = Bow Cos(kz-wt) - Bow cos(wt)

K

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