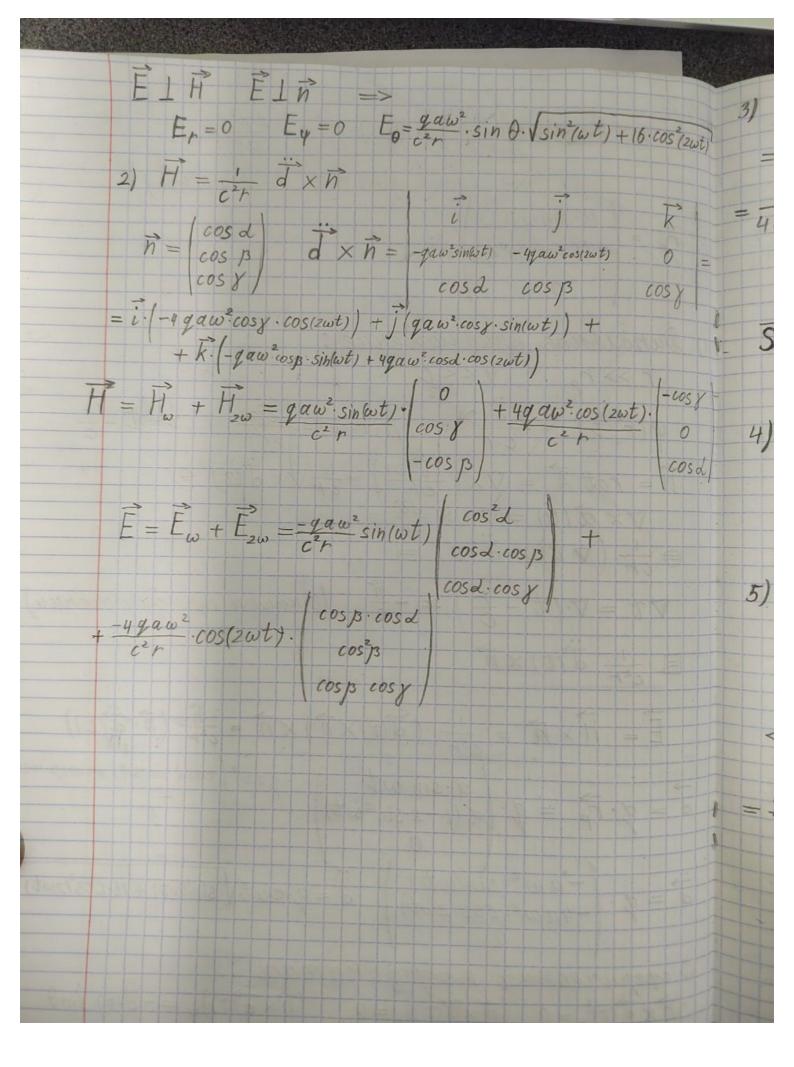
$$|V| = \alpha |Sinwt| \qquad |V| = \alpha \left(1 - \frac{2x^2}{\alpha^2}\right)$$

$$|V| = \alpha \left(1$$



 $\frac{3}{2\omega t} = \frac{c}{4\pi} \left[\frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{d} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left(\vec{n} \cdot \vec{h} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left[\frac{1}{n} \left(\vec{h} \cdot \vec{h} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left[\frac{1}{n} \left(\vec{h} \cdot \vec{h} \right) \times \left(\vec{d} \times \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left[\frac{1}{n} \left(\vec{h} \cdot \vec{h} \right) \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left[\frac{1}{n} \left[\frac{1}{n} \left(\vec{h} \cdot \vec{h} \right) \right] \right] = \frac{c}{4\pi} \left[\frac{1}{n} \left[\frac{$ $= \frac{1}{4\pi c^3 r^2} \left[\vec{d} \cdot (\vec{n} \cdot (\vec{n} \cdot \vec{d}) \cdot \vec{n}) - \vec{n} \cdot (\vec{n} \cdot (\vec{n} \cdot \vec{d}) \cdot \vec{d}) \right] =$ $= \frac{1}{4\pi c^{3}r^{2}} \left[\vec{d} \cdot (\vec{n} \cdot \vec{d}) - \vec{n} \cdot (\vec{n} \cdot \vec{d})^{2} \right] = \frac{\vec{n} \cdot \vec{d}}{4\pi c^{3}r^{2}} \left[\vec{d} - \vec{n} \cdot (\vec{n} \cdot \vec{d}) \right]$ n. = -qaw2 (cosd · sin(wt) + 4 cos 13 · cos(2wt)) $\vec{S} = \frac{9^2 a^2 \omega^4}{4\pi c^3 r^2} \left(\cos 2 \cdot \sin(\omega t) + 4 \cos 3 \cdot \cos(2\omega t)\right) \cdot \frac{\sin(\omega t)(1 + \cos 2) + 4 \cos 3 \cdot \cos(2\omega t)}{4\pi c^3 r^2} + \frac{\cos 2 \cdot \sin(\omega t)}{\cos 3}$ cosd.cosy.sin(wt)+ 4cosp.cosy.cos(2wt) 4) $T = \frac{2\eta}{\omega} T'$ (052(1+cos2)+16005 B. cos2 $\langle \vec{S} \rangle_{+} = \frac{1}{T} \int \vec{S} dt = \frac{q \alpha^{2} w^{2} \pi}{2c^{3} r^{2}}$ 16.00s p(1+cos ps) + cos d. cos ps cos 2 cos y + 16 cos prosy 5) $\cos y = \cos \theta$ в сферических cosd = cosy·sin& cos 13 = sin q. sin & $\langle P \rangle_T = \iint \langle \vec{S} \rangle_T \cdot \vec{n} r^2 d\theta d\phi = \frac{q^2 a^2 w^2 n}{2C^3} \iint (\vec{N} \cdot \vec{n}) d\theta d\phi =$ $\frac{q^{2}\alpha^{2}\omega^{2}\Pi}{2c^{3}}\iint \left(\cos^{2}d\cdot\left(1+\cos^{2}d\right)+14\cdot\cos^{2}\beta\cdot\cos^{2}d+16\cdot\cos^{2}\beta\left(1+\cos^{2}\beta\right)+\right.$ $=\frac{q^{2}\alpha^{2}\omega^{2}\Pi}{2c^{3}}\left(\frac{7\Pi^{2}}{16}+\frac{51\Pi^{2}}{16}+\frac{\Pi^{2}}{4}+64\Pi^{2}\right)=\frac{543}{16}\frac{q^{2}\alpha^{2}\omega^{2}\Pi^{3}}{c^{3}}$