1) Siricara la velocata doje meta alterra

$$\frac{l_1}{z} = V_0 T + \frac{1}{z} g T^2 \Rightarrow T^2 + \frac{2V_0}{g} T - \frac{l_1}{g} = 0$$

la striscia cilindria di spersa de
$$ds = 2\pi R de$$
 can $R = \sqrt{\frac{A}{\pi r}}$

RER
$$4\pi R^2 E_i = \frac{\Gamma}{\xi_0} 4\pi R^3 \Rightarrow E_i = \frac{\Gamma}{3\xi_0} R$$

$$12R \qquad 4\pi n^2 E_2 = \frac{P}{\xi_0} \frac{4\pi R^3}{3} \Rightarrow E_2 = \frac{P}{3\xi_0} \frac{R^3}{R^2}$$

$$U_{1} = \int_{2}^{1} \frac{1}{2} \epsilon_{o} E_{1}^{2} 4 \pi n^{2} dn = \frac{1}{2} \frac{1}{2} \epsilon_{o} 4 \pi \frac{p^{2}}{9 \epsilon_{o}^{2}} \int_{0}^{R} n^{+} dn = \frac{2}{45} \frac{\pi p^{2}}{\epsilon_{o}^{2}} R^{5}$$

$$U_{2} = \int_{R}^{\infty} \frac{1}{2} \xi_{0} E_{2}^{2} + \pi n^{2} dn = \frac{1}{2} \xi_{0} + \pi \pi \int_{R}^{2} R^{6} \int_{R}^{\infty} \frac{1}{2} dn = \frac{2\pi g^{2}}{9\xi_{0}^{2}} R^{5}$$

$$E_{m} = \frac{\Gamma}{q} = VXB = VB$$

$$E_{S} = -E_{m}$$

$$-V(4) = -\left[Fde - \left(\cos R\right) da + \cos \left(\frac{2}{3}\right)\right]$$

$$E_{m} = \overline{F} = \overline{V} \times \overline{B} = VB$$

$$E_{s} = -E_{m}$$

$$V(\frac{1}{2}) - V(2) = -\int_{E_{m}}^{E_{m}} E_{s} = -\int_{U}^{L} \omega B \, l \, de = \frac{\omega B}{2} \left(\frac{L^{2} - L^{2}}{T} \right) \frac{3\omega B L^{2}}{B}$$

$$\frac{1}{2} \frac{1}{2} \frac{3\omega B L^{2}}{T}$$

Foraday Area settine uncelere
$$S = \angle R^2$$

Area yarrafa $S = \angle \left(\frac{2}{4} - \frac{2}{4} \right)$
 $\phi = B \omega \tau = \frac{3}{4} 2^2$