Interation of brantation and Electromagnetism: Familian Law of Teduction Or of the seasing trays of involvagating to Nemeria of ela and gravitation is to ECE Farada Zon of induction: For all pradical purposes is It laboratory: $\overline{J} = 0 - (3)$ because experients show that the Coulons law is very precise and walkerted by grantation. This silvation is changed in them by The Spir cornelia resonance. The Spir cornelia resonance, i.e. Testa resonance. The simplest example is when there is no marginia field, ヹ×E=ル。 ヹ ルー(4) tei: $E = - \nabla \phi + \omega \phi - (5)$ where is the spir cometion vetar.

2) From egns. (4) and (5). 1 × (0 +) = 10] (1) Heavisle than (MH), a does not exist so Deres are possible is MH them. Expanding eq. (1): = M.] it $-\left(\frac{3}{3x}\left(\alpha_{2}\varphi\right)-\frac{3}{37}\left(\alpha_{x}\varphi\right)\right)\frac{1}{2}$ -(7)+ (3x (0, p) - 3y (0xp)) 1/2 Simplify by assuming. $\omega_z = 0$, $\Xi_{ij} = J_{xi} + J_{yj}$ $\left(\frac{\partial G_{X}}{\partial Z}\right) + G_{X}\left(\frac{\partial \phi}{\partial Z}\right) = \mu_{0} \int_{Y} -(q)$ $\left(\frac{\partial a_{1}}{\partial z}\right) \phi + a_{1}\left(\frac{\partial \phi}{\partial z}\right) = -\mu_{0} \mathcal{J}_{x} - (10)$

by differential up some (9) and (10), wedays it $\frac{1}{2} \int_{0}^{\infty} \left(\frac{1}{2} \right) \left(\frac{1}{2}$ his has de d'enture $\ddot{x} + \partial \beta \dot{x} + \omega \partial \alpha = A \cos \omega t - (12)$ A pentionled integral: $x_{p}(t) = \frac{A \cos(\alpha t - S)}{((\alpha^{2} - \alpha^{2})^{2} + 4\alpha^{2}\beta^{2})^{1/2}}$ $S = tan^{-1} \left(\frac{\partial \alpha \beta}{\partial \beta - \alpha^{2}} \right) - \left(\frac{1}{14} \right)$ $x_{\rho}(t) = D(cos(ct-\delta)) - (15)$ IS Landludo resorario fregrero is: $\frac{dD}{d\omega} = \omega_{R} = 0 \qquad -(16)$ $c_{R} = (c_{3} - 2\rho^{2})^{V_{3}} - (r_{1})$ Resonance is eq. (11) occion doll is of end is ax , i.e. a of for a given as and

vice-vera. At warren, etter of or en became very long for a given 15, /1X.

Recite plays the rob of the arrive force

at the open side of the contract of the contr Reserve de resource de devis for " equally and a surface interesting developed ambfed off resonant til zen frall produce purposes of the Colombian form from tooks of to Coulons Can. In Species of Specie RV2.=0 -(18) i.e Roman + Roman + Roman o - (19) Cick of the Reci (gette sepertine injuncted from the Contraction of the Contraction comments to the contraction contractin Exphandre. if grantation a affected by e/n.

5) Gentaliand Equivalent of the Faraday law of The absence of internation between rotation and tradation i.e. absence of internation between 19/12 and specialistical likes is given by eq. (14) of page 75 of a this is given by a find the contraction of the contraction o where: $g = c^2 T_L$ _ (21) Here I'm stranstal torsia votor and Is is Respon town vector. In the presence of internation $\frac{1}{c^3} = \frac{1}{2} \times \frac{1}{c} \times \frac{1}{c} = \frac{1}{2} \times \frac{1}{c} - (32)$ is analogy to eq. (i). So: $\boxed{2\times 3} = \frac{2}{3} = \frac{3}{3} = \frac{3}$ In analogy to eq. (5) A accelantia due to gravity con se expressed os: g = - \(\frac{1}{2} \) + \(\overline{1}{2} \) \(\overline{1}{2} \) and of Is is absent: $\Delta \times 3 = 0, \Delta \times -(52)$ so spir consedia resonance con econo for eggs. (24)