Mapuaum 11 (Kp-2)

Норгин. 353/

(1)
$$Ar = Ao = \Theta0$$

 $A\varphi = ar \left(\frac{R^2}{3} - \frac{r^2}{5}\right) \sin \theta, r < R$
 $A\varphi = 2aR^5/15r^2 \cdot \sin \theta, r > R$

rot rot
$$\vec{A} = \frac{4\pi \cdot \vec{j}}{c}$$

$$\left[\operatorname{rot} \overrightarrow{A} = \left[-\operatorname{ar}\left(\frac{R^2}{3} - \frac{\Gamma^2}{5}\right) \cdot \cos\theta, \quad 0, \quad \Re\left(\operatorname{a}\left(\frac{R^2}{3} - \frac{\Gamma^2}{5}\right) - \frac{2ar^2}{5}\right) \cdot \sin\theta\right]; \quad r < R$$

$$\left(rot \overrightarrow{A} = \left[-\frac{2aR^{5}}{15r^{2}} \cdot \omega s \theta, 0, -\frac{4aR^{5}}{15r^{3}} \sin \theta \right] \right) r > R$$

rot rot
$$\overrightarrow{A} = [0, ar(\frac{R^2}{3} - \frac{r^2}{5}) \cdot sin\theta_{\frac{1}{2}} + \frac{4ar}{5} + \frac{4ar}{5}) sin\theta_{\frac{1}{2}}$$
 $r < R$

rot rot
$$\vec{A} = [0, \frac{2aR^5}{15\Gamma^2} sin\theta - \frac{12aR^5}{15\Gamma^4} sin\theta, 0]$$

$$\vec{j} = \frac{c}{4\pi} \cdot \left[0, \left(\alpha \Gamma \left(\frac{R^2}{3} - \frac{\Gamma^2}{5} \right) \right) \right] + \frac{2\alpha \Gamma}{5} + \frac{4\alpha \Gamma}{5} \right] \cdot \sin \theta, \quad 0 \quad , \quad \Gamma < R$$

$$\left[0, \left(\frac{2\alpha R^5}{15 \Gamma^2} - \frac{12\alpha R^5}{15 \Gamma^4} \right) \cdot \sin \theta, \quad 0 \quad \right] \quad , \quad \Gamma > R$$

$$\int \frac{H^2 l^2}{\sqrt{c}} = a^2$$

$$m z'' = a^2 z - z \cdot a^2 - mg + \hat{l} \cdot a$$

$$z'' - \frac{\alpha^2}{m} z = \underline{l} \cdot a - \frac{z \cdot a^2}{m} - g$$

$$c$$

$$z(t) = -\frac{cm}{a^2} + c_i e^{\frac{at}{m}} + c_2 e^{-\frac{at}{m}} - 0 \text{ mbern}$$