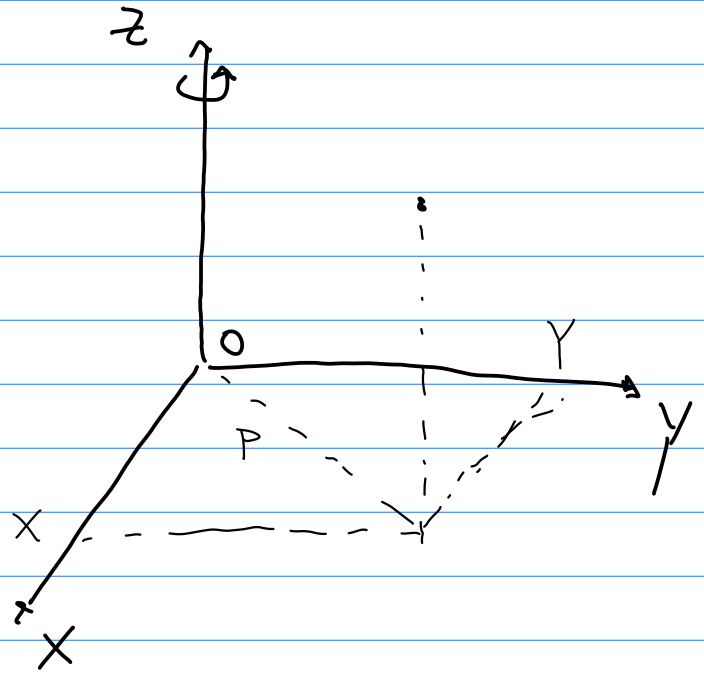


$$\phi(x, y, z) = \frac{10^5}{2} \omega^2 \overbrace{(x^2 + y^2)}^{p^2}$$

$$\nabla \phi = \begin{bmatrix} \omega^2 x \\ \omega^2 y \\ 0 \end{bmatrix}$$

$$a_c = 10^5 \sqrt{(\omega^2 x)^2 + (\omega^2 y)^2}$$

$$= 10^5 \omega^2 \sqrt{x^2 + y^2}$$



$$x = (N+h) \cos \varphi \cos \lambda$$

$$y = (N+h) \cos \varphi \sin \lambda$$

$$x^2 = (N+h)^2 \cos^2 \varphi \cos^2 \lambda$$

$$y^2 = \quad \quad \quad \quad \quad \quad \quad \quad \sin^2 \lambda$$

$$x^2 + y^2 = (N+h)^2 \cos^2 \varphi$$

$$a_c = 10^5 \omega^2 (N+h) \cos \varphi$$

$$p/h = 0$$

$$a_c = 10^5 \omega^2 N \cos \varphi$$

sup. do elipsoide

$$N = \frac{a}{\sqrt{1 - e^2 \sin^2 \varphi}}$$

$$e^2 = \frac{a^2 - b^2}{b^2}$$

$$\left(100 \times \frac{a_c}{\gamma} \right) \times \varphi \quad \xrightarrow{0 \rightarrow 90}$$