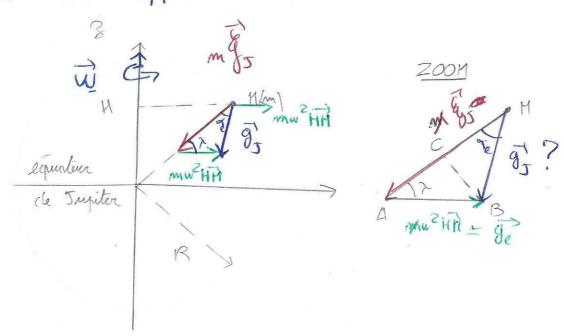
Exercice n°3: Pesanteur apparente (Supition)



Géométriquement on tire 2 séparations:
$$g_5$$
 as $\alpha_e + g_e$ as $\lambda = g_5$ (2)

$$(2) =) \qquad g_5 = g_e \frac{n \hat{n} r}{n \hat{n} q_e}$$

=)
$$\cos \lambda + \sin \lambda \cos \alpha_{e} = \frac{4}{9e}$$

$$=) ty de = \frac{\sin \lambda}{(95)^2 - \cos \lambda}$$

$$= \frac{35}{(96)^2 - \cos \lambda}$$

$$= \frac{6 M_5}{(96)^2 - \cos \lambda}$$

$$\frac{d^{2}}{d^{2}} ty = \frac{nin \lambda}{\frac{GH_{5}}{R^{2}u^{2}R} as \lambda} - \frac{nin \lambda an \lambda}{\frac{GM_{5}}{R^{2}u^{2}R}} - \frac{nin \lambda an \lambda}{\frac{GM_{5}}{R^{2}u^{2}R}} - \frac{n^{2} \lambda}{\frac{GM_{5}}{R^{2}u^{2}R}} = \frac{n^{2} \lambda}{\frac{GM_$$

Enlach de max pour « musi

$$\frac{d \tan de}{d\lambda} = \frac{(as^2\lambda - \sin^2\lambda)(A - as^2\lambda)}{D^2} = \frac{(as^2\lambda - \sin^2\lambda)(A - as^2\lambda)}{D^2} = 0$$

A resouche numeriquement:
$$A = \frac{GM5}{R^3w^2} = \frac{g_5}{R(\frac{2\pi}{T_5})^2}$$

$$= \frac{26.5}{7.10^7 x(\frac{2\pi}{g_x3600 + 52x60})^2}$$

$$= 17.05$$

d'ai ty
$$\alpha_e = \frac{\sin 7 \cos x}{A - \cos^2 7} = 0.043.$$

Deit
$$\alpha_e = 2,479 = 2,48°$$