$$\Omega = \iiint_{V} \frac{1}{V} dv \longrightarrow U = G P \Omega$$

$$U = G \sum_{\ell=1}^{\infty} f_{\ell} \Omega_{\ell}$$

$$\partial x U = Gg \partial x \Omega \qquad (x = x, y, z)$$

$$V = - Cmh \nabla \Omega^{T}h$$

$$h = \begin{bmatrix} hx \\ hy \\ hz \end{bmatrix} \qquad gx$$

$$= - Cm \sum_{G} \begin{pmatrix} hx \\ hx \\ 2x \Omega \\ 2x \end{pmatrix} + hy \partial_{y} \Omega_{x} + h_{z} \partial_{z} \Omega_{z}$$

$$= - Cm \sum_{G} \begin{pmatrix} hx \\ 2x \Omega \\ 2x \end{pmatrix} + hy \partial_{y} \Omega_{x} + h_{z} \partial_{z} \Omega_{z}$$

$$= \left(- \frac{1}{2} \int_{\mathbb{R}^{2}}^{\mathbb{R}^{2}} \int_{\mathbb{R}^{2}}^$$