$$N = -\frac{a}{2\pi g_{\mathrm{T}}|_a} \int \Delta g(\theta', \varphi') f(\gamma) \sin\theta' d\theta' d\varphi' \tag{39}$$

$$\Phi = \frac{GM}{r} \left(1 + \sum_{n=2}^{n_{max}} \left(\frac{a}{r}\right)^n \sum_{m=0}^{n} P_{nm}(\sin\phi) \left[C_{nm} \cos m\lambda + S_{nm} \sin m\lambda\right]\right) \tag{40}$$