



$$A = \frac{\iiint dm}{S} = \rho \iiint \frac{r \cdot dr \cdot d\theta \cdot r \cdot \sin \theta \cdot d\varphi}{\pi \cdot R^2} = \rho \int_0^\pi \int_{\theta_1}^{\theta_2} \int_{-e/2}^{e/2} \frac{r \cdot dr \cdot d\theta \cdot r \cdot \sin \theta \cdot d\varphi}{\pi \cdot r^2 \cdot \sin^2 \theta} = \rho \cdot e \cdot \ln \left[\frac{\tan \frac{\theta_2}{2}}{\tan \frac{\theta_1}{2}} \right]$$

$$B = \frac{\iiint x \cdot dm}{S}$$

$$C = \frac{\iiint y \cdot dm}{S}$$

$$D = \frac{\iiint x^2 \cdot dm}{S}$$

$$E = \frac{\iiint y^2 \cdot dm}{S}$$