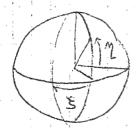


$$\iint_{S} \frac{1}{K} dS = \iint_{S} \frac{do}{dS} dS$$

$$G(\xi, \eta) = \frac{1}{K(0, v)}$$



Apparent area from one direction:

$$\iint G(\widehat{s})(\widehat{s},\widehat{v}) ds =$$

$$\iint_{S.(-\sqrt{2})} G(\underline{S})(\underline{S}.(-\sqrt{2})) ds$$

- area on the object

(G(s) ds area that has orientation s)

And again

$$\iint_{S} G(\hat{S}) \hat{S} = Q$$

(controld at the origin)

While: If G(3) ds = total area of the object

Example: 3 phère, recolius R

$$K = \frac{ds}{do} = \frac{4\pi}{4\pi R^2} = \frac{1}{R^2}$$

$$G = R^2$$
 (constant)

Example: Ellipsond
$$\frac{(x)^{2} + (\frac{y}{b})^{2} + (\frac{z}{c})^{2} = 1}{(x - \frac{y}{a})^{2} + (\frac{y}{b})^{2} + (\frac{z}{c})^{2}} = 1$$

$$x = a \cos a \cos b \quad y = b \sin a \cos b \quad z = c \sin b \quad (explicit up)$$

$$\frac{h}{h} = (b \cos a \cos b, ca \sin a \cos b, ab \sin b) \quad y = b \sin a \cos b, ab \sin b) \quad y = b \sin a \cos b, ab \sin b \quad y = b \sin b \quad z = b \cos b \quad z = c \sin b \quad z =$$

dy? measure of curvature * Kg curvature of generator K = 65 1 Kg n= R+pccsm $K_G = \frac{\Lambda}{g}$ $K = \frac{\cos \eta}{R + \beta \cos \eta}$ 1 1/K+ P(R+gcosy)
cosy 2gR secy singularity singularity