Example 2.3. Find the field outside a uniformly charged solid sphere of radius R and total charge q.

votational symmetry about any axis passing the origin.

Gaussian

$$= \oint E \hat{r} \cdot \hat{r} = \int d\alpha = E \oint d\alpha = E \iint Cm \theta d\theta d\theta = E \pi r^2 = \frac{\theta}{20}$$