Note that for a uniform ring on X-y plane,
$$\vec{E}$$
 at point $(0,0,2)$, $(0,0,$

with 2>>a, the disk should just behave live a point charge $\frac{2}{1+1} = \frac{9}{41140} = \frac{9}{41140} = \frac{9}{1+1} = \frac$

2.2.1. A sphere can be considered as $n \to \infty$ shells with radius $r = 0 \to R$ and width dr A, $k = \frac{4\pi r^2 \cdot drq}{37R^3}$ centered at origin. Thus $\vec{E}(\vec{z}) = \int \vec{E} \sin^2 \vec{k} \cdot \vec{k} \cdot \vec{k} = \frac{4\pi r^2 \cdot drq}{47R\sqrt{2}}$ \vec{z} center of sphere.

$$= \frac{1}{4\pi \epsilon_{0} z^{2}} \frac{39}{4\pi \epsilon_{0} z^{2} p^{3}} \cdot \left[\frac{R}{3}r^{2} dr^{2}\right]^{2}$$

$$= \frac{39}{4\pi \epsilon_{0} z^{2} p^{3}} \cdot \left[\frac{1}{3}r^{3}\right]^{2} \frac{9}{2}$$

$$= \frac{39}{4\pi \epsilon_{0} z^{2} p^{3}} \cdot \left[\frac{R}{3}r^{2}\right]^{2} = \frac{9}{4\pi \epsilon_{0} z^{3}} \frac{1}{2}$$

$$= \frac{39}{4\pi \epsilon_{0} z^{2} p^{3}} \cdot \left[\frac{R}{3}r^{2}\right]^{2} = \frac{9}{4\pi \epsilon_{0} z^{3}} \frac{1}{2}$$

$$= \frac{39}{4\pi \epsilon_{0} z^{2} p^{3}} \cdot \left[\frac{R}{3}r^{2}\right]^{2} = \frac{9}{4\pi \epsilon_{0} z^{3}} \frac{1}{2}$$

$$= \frac{39}{4\pi \epsilon_{0} z^{2} p^{3}} \cdot \left[\frac{R}{3}r^{2}\right]^{2} = \frac{9}{4\pi \epsilon_{0} z^{3}} \frac{1}{2}$$

$$= \frac{39}{4\pi \epsilon_{0} z^{2} p^{3}} \cdot \left[\frac{R}{3}r^{3}\right]^{2} = \frac{9}{4\pi \epsilon_{0} z^{3}} \frac{1}{2}$$

for point (0,0,2), where z-axis is center of sphere -> point

2) A sphere is the combination of
$$\infty$$
 disks at $\frac{1}{2}$ and $\frac{1}{2}$