Calculation



Point charge +3Q at center of neutral conducting shell of inner radius r_1 and outer radius r_2 . a) What is *E* everywhere?

First question: Do we have enough symmetry to use Gauss' Law to determine *E*? Yes, Spherical Symmetry (what does this mean???)

Magnitude of *E* depends only on R

- A) Direction of *E* is along $\hat{\chi}$
- B) Direction of E is along \hat{y}
- C) Direction of E is along \hat{r}
- D) None of the above