

## CH24 Physlet Physics – Gauss Law

The username and password for the applet will be given in class.

### Problems

- Set up homework problem #1 ...
- [Problem 24.12](#): Spherical charge distribution with Gauss's law.

### Explorations

- [Exploration 24.4](#): Application of Gauss's Law.  
In addition to answering the questions on the applet,
- Plot, using Excel,  $|E|$  vs  $r$  for each of the two configurations ( $r$  is on the “x” axis).  
Do so by measuring the  $E$  field at  $\sim 5$  different distances and plot these data points in Excel.  
Find the dependence of  $|E|$  on the radius  $r$  – is it linear, quadratic ...?  
[add a trendline of type “power-law” to find that exponent]

