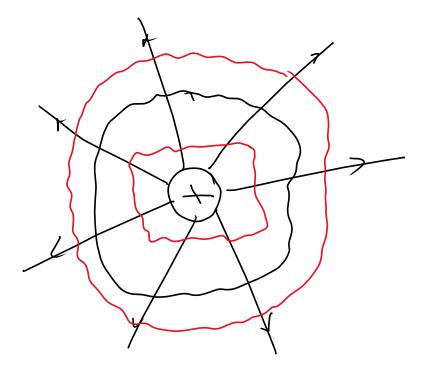
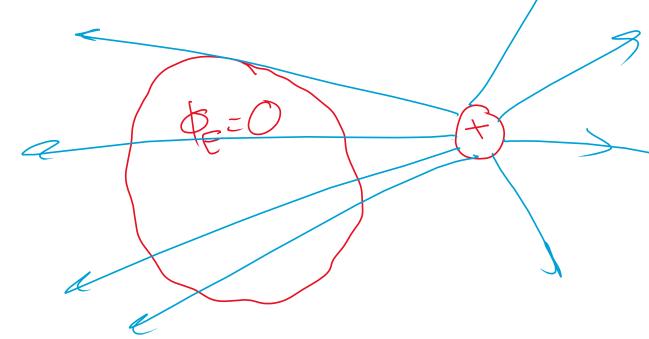


Gauss's Low:





Apply Gauss's lan:

To define Gaussian Surface

i) È is the same at every point on the surface

2) È parallel to A, cost = 1

3) \neq perpendicular to A, $\cos \theta = 0$

A A

DE dA = Q: E. dA = Co Granssian surface

Epda = Es

E[4T17]= Q == Q / 4T172 60 $\oint E d\vec{A} = \frac{q_{in}}{\epsilon_0}$ $E A = \frac{q_{in}}{\epsilon_0}$ $E (472 r^2) = \frac{9V}{\epsilon_0}$ $E (472 r^2) = \frac{9[4]37er^3}{\epsilon_0}$ $V \Rightarrow Q = 9V$

Electro Static Equi.

No movement

1) [= 0 Wreghlar Shapes

4) Wreghlar Shapes

To is bigger where

The radius is

Smaller

2) The charge is on The surface

3) = is normal to the surface
= 0/Es

