

# Electrostatics

(e-lec-tro-sta-tics)

## Definition:

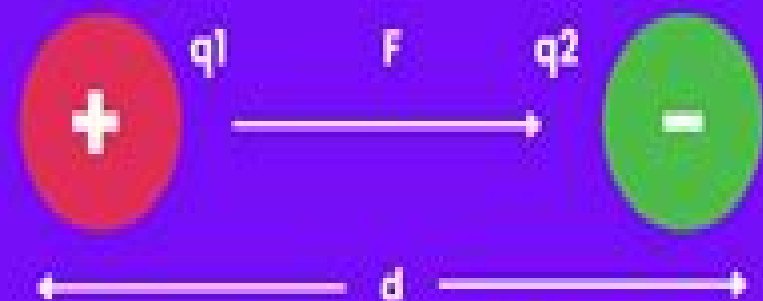
Electrostatics is the branch of physics that studies electric charges at rest.

## Coulomb's Law

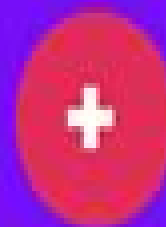
$$F = k_e |q_1 q_2| / r^2$$

## Electric Field

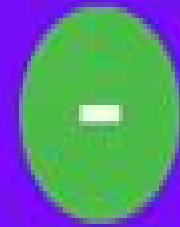
$$E = F/q = k_e Q/r^2$$



$$F = k_e |q_1 q_2| / r^2$$



Positive Charge



Negative Charge

# Millerstem Physics Electrostatics 15 1

**Ying Liu**



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