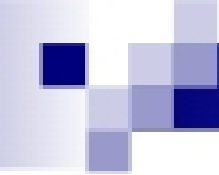





# Physics 213

## General Physics

### Lecture 2

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- Last Meeting: Coulomb's Law,  
Electric Forces
  - Today: Electric Field, Gauss's  
Law

**Concept** : Electrostatic forces due to Coulomb's Law make up a force field that can be represented by lines of force.

At any location  $r$  around a point charge  $+Q$ , the force on a test charge  $+q_0$  is a vector  $F(r)$ . Plotting these vectors with their tails at positions  $r$  gives a picture of the force field.

