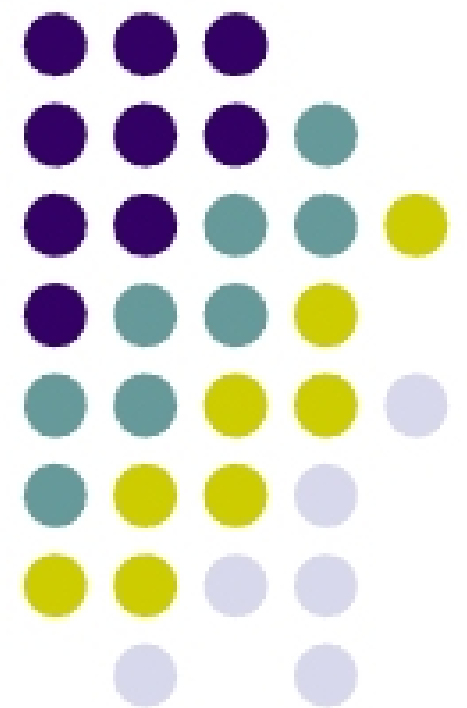


Chapter 23

Electric Fields



Electricity and Magnetism, Some History



- Many applications
 - Macroscopic and microscopic
- Chinese
 - Documents suggest that magnetism was observed as early as 2000 BC
- Greeks
 - Electrical and magnetic phenomena as early as 700 BC
 - Experiments with amber and magnetite

Electricity and Magnetism, Some History, 2



- 1600
 - William Gilbert showed electrification effects were not confined to just amber
 - The electrification effects were a general phenomena
- 1785
 - Charles Coulomb confirmed inverse square law form for electric forces