

Electrostatics Chapter 14

Definition:

Electrostatics: The study of charges at rest (static electricity)

Electricity: The study of charges in motion (e^- moving through a conductor)

Benjamin Franklin:

1742 - Studied charges made by friction.

1752 (Amber) defined \oplus (\ominus) charge

— Did Kite experiment.
showed electrical charges could be conducted down a string from a storm cloud.

atomic theory

Electricity - Comes from the greek word "Elektron" means Amber (rubbed that rain).

Ben F. was the first to define + pos, and - neg charge.

deficit of e^-	← Pos	Neg →	Surplus of e^-
	Fur	Amber	
	Wood	Vinyl	
	Glass	hard rubber	
	hair	ebonite	

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