Regents Physics

Electric Force and Charge Demo

Demo #1: The Transfer of Charge

Before transfer

Transfer #1: Sphere A touches Sphere B

Transfer #2: Sphere B then Touches Sphere C

Finally C touches A
Demo #2

Calculate the force on each sphere at this distance

Move to 1 m apart and calculate the new force

Sphere A touches Sphere B and returns back to 2 m

Calculate the new charge on each sphere

Calculate the new force present on each sphere