

Coulomb's force - exercise

date: , class: , student:

Exercise

A small metal sphere, with charge $q_1 = 12 \mu\text{C}$ is placed at a distance of 2.00 m from a second metal sphere that carries a charge $q_2 = 240 \mu\text{C}$. Determine the magnitude and the direction of the electrostatic force experienced by each charge. What happens if the sign of q_2 changes? What changes if the distance between the two spheres gets doubled?

[illegible]