

Electric Potential of Conducting Spheres (4)



A positive charge is distributed over two conducting spheres 1 and 2 of unequal size and connected by a long thin wire. The system is at equilibrium.

Which sphere (1 or 2)...

- (a) carries more charge on its surface?
- (b) has the higher surface charge density?
- (c) is at a higher electric potential?
- (d) has the stronger electric field next to it?

