Week 4: Assignment 4

Due on 2021-09-01, 23:59:59

Your assignment has been submitted successfully.

[Image of a diagram with a number 1 and a number 2]

1. Write the potential at a point in space with respect to the surface of a sphere.

2. Consider that a sphere, a cube, a cylinder, and a cube in 3D space. Draw and show an equipotential surface for each of these objects. Which of the following statements is correct?

A. The equipotential surface for a sphere is a sphere.
B. The equipotential surface for a cube is a cube.
C. The equipotential surface for a cylinder is a cylinder.
D. The equipotential surface for a cube is a flat surface.

3. What is the potential at a point in space with respect to a flat surface?