Set equipotential surfaces with source

EQ029E

Function

Intended for study, physics laboratory, physics experiments on: Electricity. Equipotential surfaces, lines of force and electric field between point electrodes. The electric field. The equipotential surfaces of an electric field. Analogy between the Earth gravitational field and the electric field, conservative field. Checking the circuit with point electrodes. Joining points and understanding equipotential surface between two point electrodes. Michael Faraday, equipotential surfaces, lines of force and the electric field vector between two point electrodes. What is a line of force for an electric field. Equipotential surfaces, lines of force and electric field between parallel plane electrodes. Analogy between the Earth gravitational field and the electric field, conservative field. Checking the circuit with parallel flat electrodes. Joining points and understanding the equipotential surface between two parallel flat electrodes. The Faraday cage and electrostatic shielding. Checking the circuit with parallel flat electrodes and a hollow metal cylinder between them. The positioning of equipotential surfaces in relation to the lines of force and the electric field vector. The zero electric field inside a cavity of a conductor in equilibrium, the electrostatic shield. Equipotential surfaces, lines of force, electric field and coaxial cable. Checking the circuit with ring electrodes. The zero electric field inside a cavity of a conductor in equilibrium, the electrostatic shield. Faraday cage, electrostatic shielding and coaxial cable, etc.

Note: The multimeter is not included.

Knowledge areas

Physics