[prl, twocolumn, showpacs]revtex4-1 amsmath graphicx color glossaries apsrev4-1.bst Newton(s) name=Newton(s), description=the standard unit of force. It is equal to the force that would give and object with the mass of one kilogram an acceleration of one meter per second per second. Volt(s) name=Volt(s), description=The volt is the unit for electric potential and electric potential difference. Coulomb(s) name=Coulomb(s), description=the Standard unit of electric charge, equal to the quantity of electricity in one second by a current of one ampere.

document

Lab 1: Electric Fields Zachary Wallace, Alex Ramirez, James Smith

abstract

This lab is meant to investigate the electric fields around some objects that are charged, which in our case was paint and were to describe the details shown through either a heat map or similar works. In this experiment a multi-meter, a cork board, between six and eight thumb tacks/push pins, conductive paint, alligator clips/ cables, and some source of controlled battery. The data was meant to show the travel directions of the electric fields in reaction to the conductive paint.