

Electric Field Hockey Lab

Write the following in your lab book.

- 1.) Give your observations on how the “hockey puck” followed the electric field lines. What general trends did you find?
- 2.) How did the inverse square law for the electric field effect your placement of charges?
- 3.) What was your biggest surprise when placing charges?
- 4.) For the following charges, draw the summative fields lines around these charges.



A



- 5.) Place the above charges on the field hockey program and check your results. Comment on how close you came.
- 6.) A positive charge is placed at point “A”, show the path that it would follow based upon your field lines drawing.
- 7.) Does the charge follow the field lines? Explain.
- 8.) In your own words, explain electric fields.