

Trajectories of charged particles in an electric field are difficult to come by for anything other than a uniform electric field using paper and pencil. In your vPython simulation of a dipole add a proton that can move as discussed in the “playing around” section of the lab instructions. Describe the motion of the proton for the initial conditions stated there (position and velocity). Explore how the trajectory of the proton changes as you change the initial conditions of the proton. Submit (to the R-drive) the simulation that yields the most interesting path.