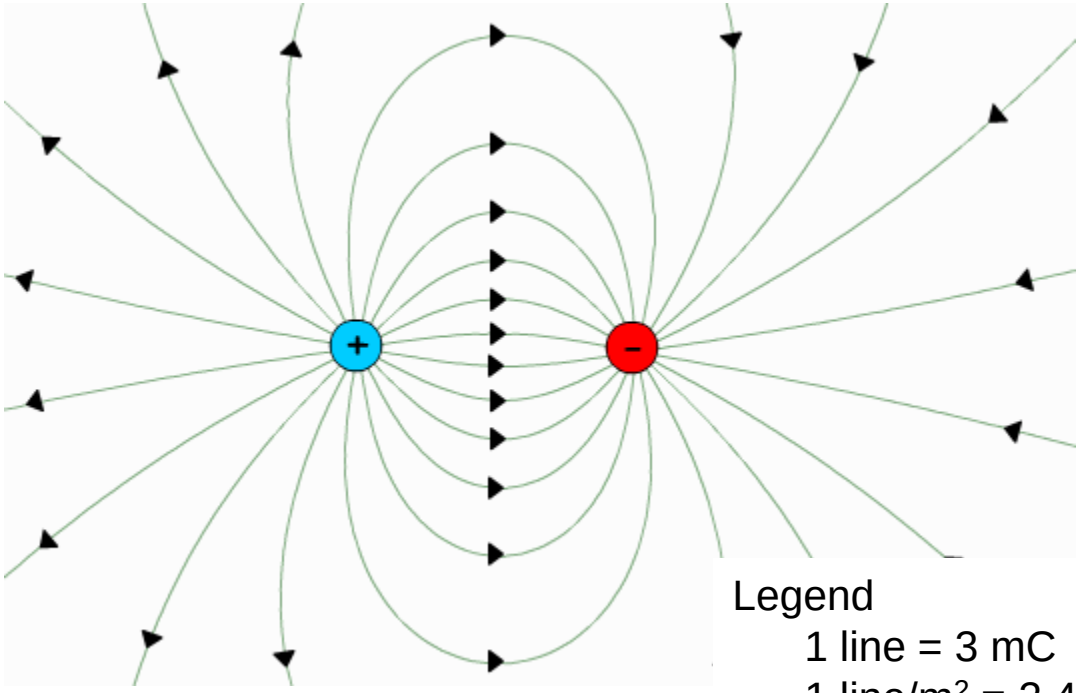
Electric Field Lines



Legend

1 line = 3 mC

1 line/m^2 = 2.4 x 10^{11} N/C

Dipole Charge Distribution:

Direction & Density

much more interesting.

Simulation

I don't quite understand the concept of charge being proportional to number of electric field lines. Isn't there an electric field at all points surrounding a charge? If that is the case, shouldn't there always be an infinite number of electric field lines surrounding a charge?