

Distance (m)	E-field(N/C)	1/Distance^2(m^-2)	E-field (N/C)
0.5	35.6	4	35.6
1	9	1	9
1.5	4.02	0.44444	4.02
2	2.25	0.25	2.25
2.5	1.45	0.16	1.45
3	1	0.111111	1
3.5	0.74	0.08	0.74
4	0.57	0.0625	0.57

power law

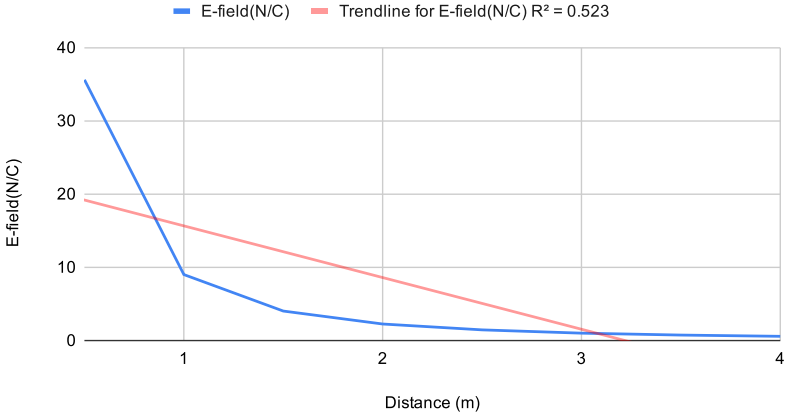
$f(x)=a \cdot x^b$

charge (nC)

E- field(N/C)

1	2.25
2	4.5
3	6.76
4	9
5	11.2
6	13.5
7	15.7
8	18

E-field(N/C) vs. Distance (m)



The Coulomb Law

