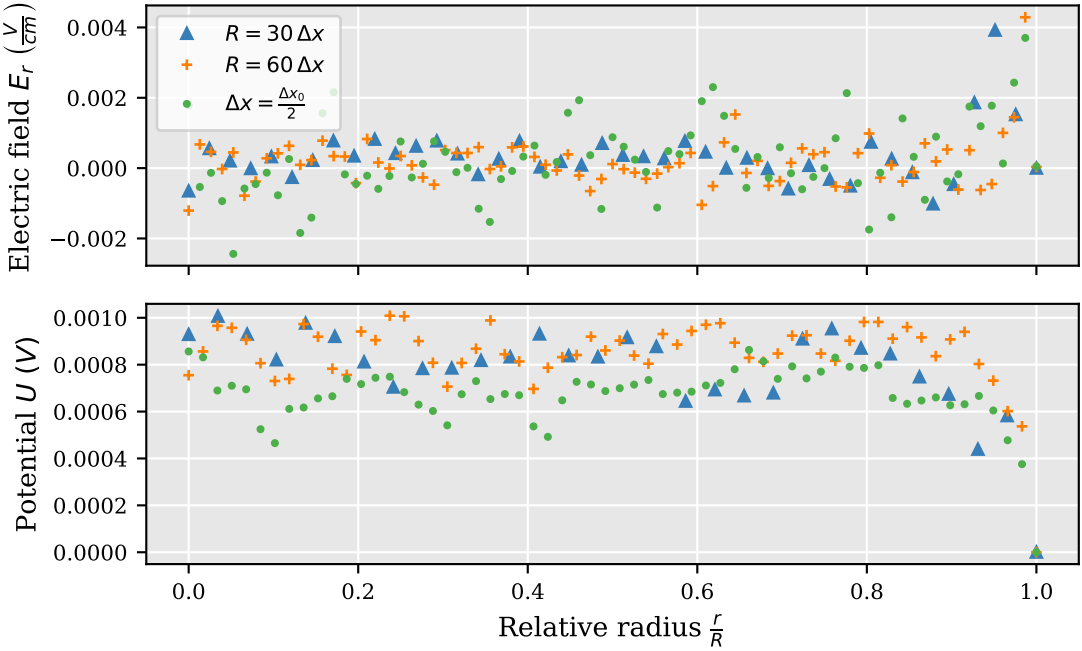

Electric field E_r $(\frac{V}{cm})$
0.004
0.002
0.000
−0.002
$R = 30\,\Delta x$
$R = 60\,\Delta x$
$\Delta x = \frac{\Delta x_0}{2}$
Potential U (V)
0.0010
0.0008
0.0006
0.0004
0.0002
0.0000
0.0
0.2
0.4
0.6
0.8
1.0
Relative radius $\frac{r}{R}$