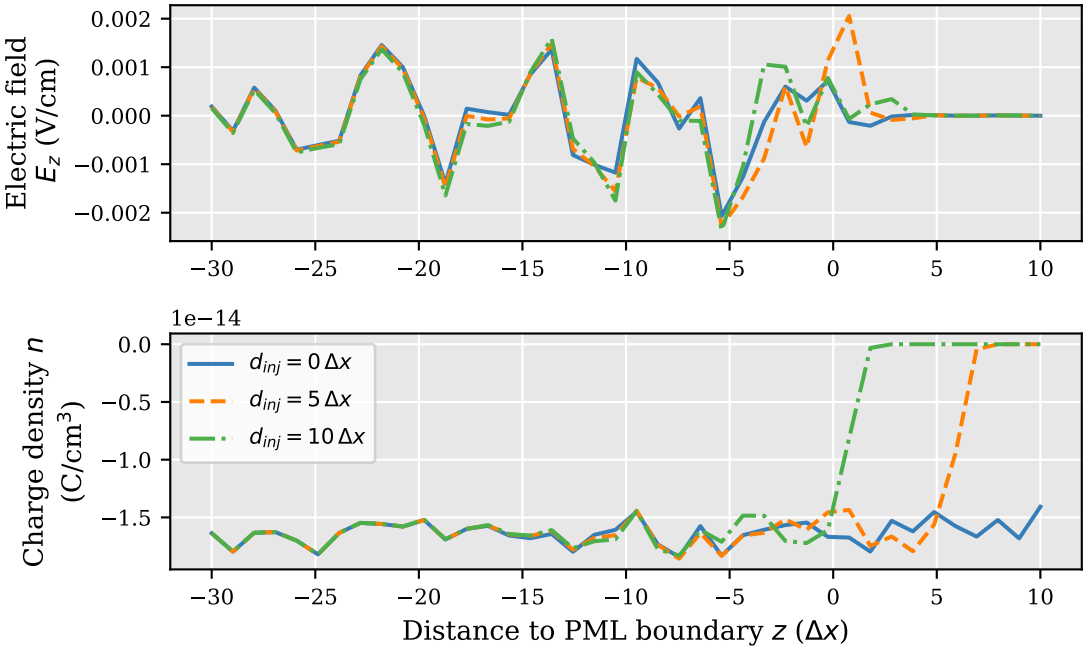

Electric field
E_z (V/cm)
0.002
0.001
0.000
−0.001
−0.002
−30
−25
−20
−15
−10
−5
0
5
10
1e−14
Charge density n
(C/cm^3)
0.0
−0.5
−1.0
−1.5
$d_{inj} = 0\,\Delta x$
$d_{inj} = 5\,\Delta x$
$d_{inj} = 10\,\Delta x$
Distance to PML boundary z (Δx)