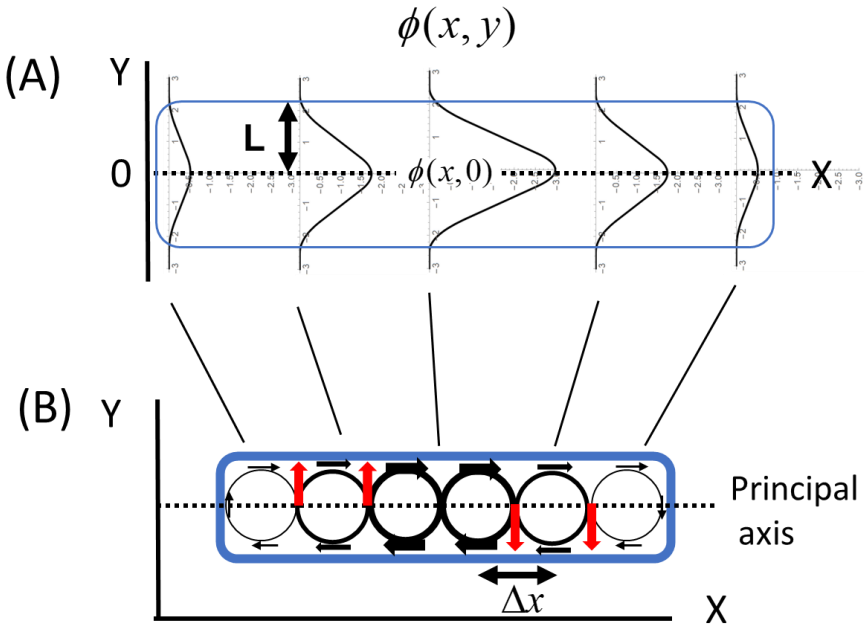

Figure a

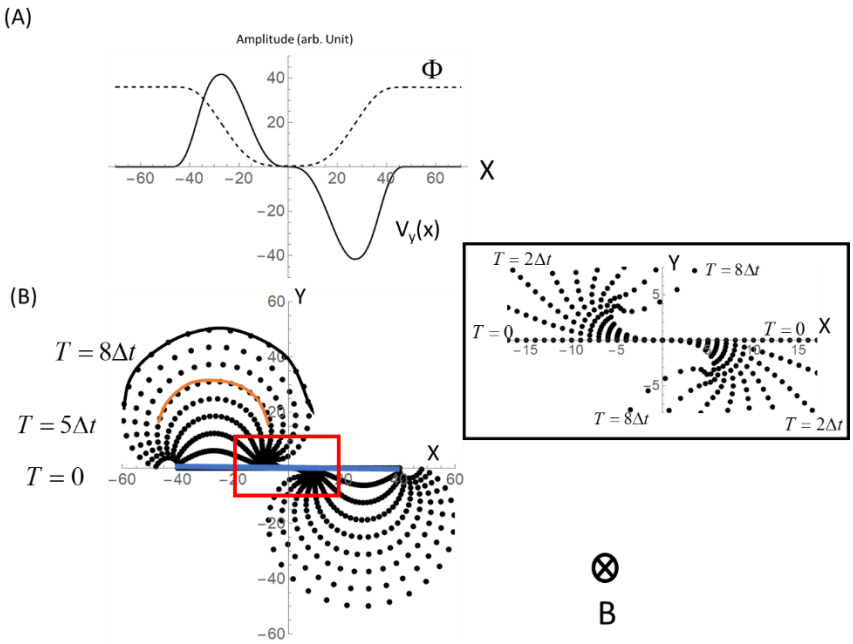

Figure b

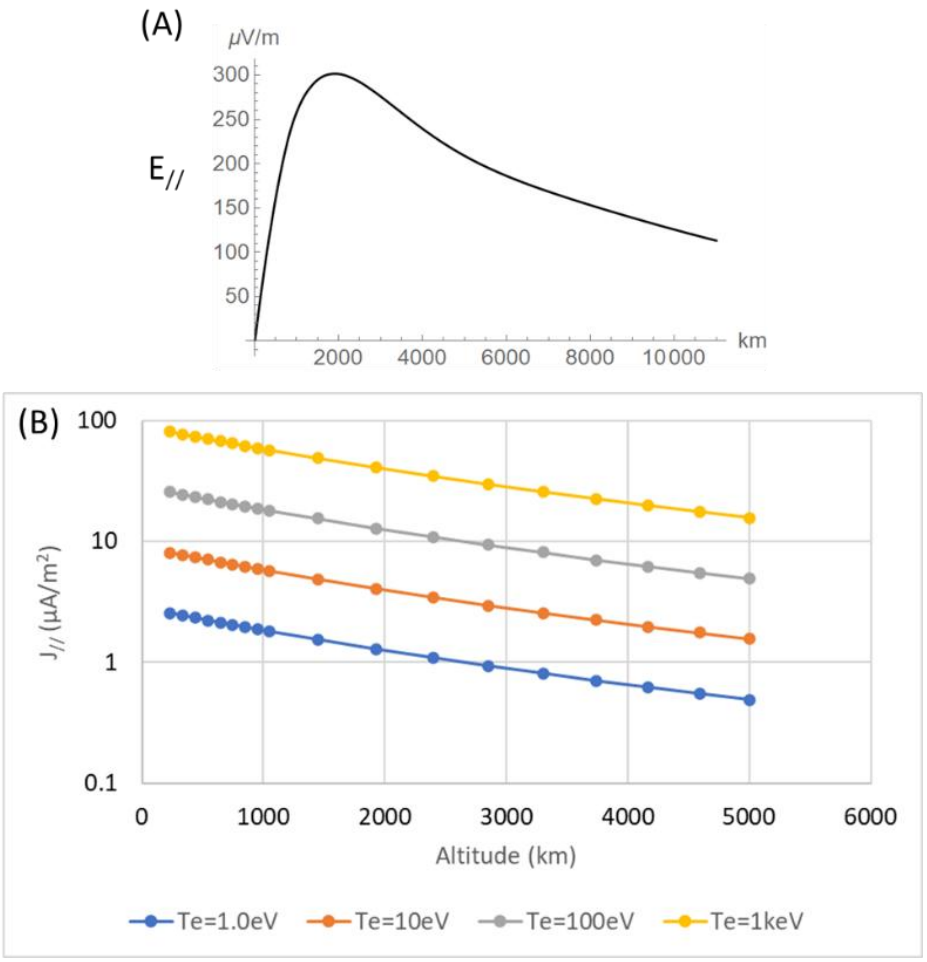
(A)
μV/m
300
250
200
150
100
50
E//
2000
4000
6000
8000
10000
km
(B)
100
10
1
0.1
J// (μA/m²)
0
1000
2000
3000
4000
5000
6000
Altitude (km)
Te=1.0eV
Te=10eV
Te=100eV
Te=1keV

Figure c

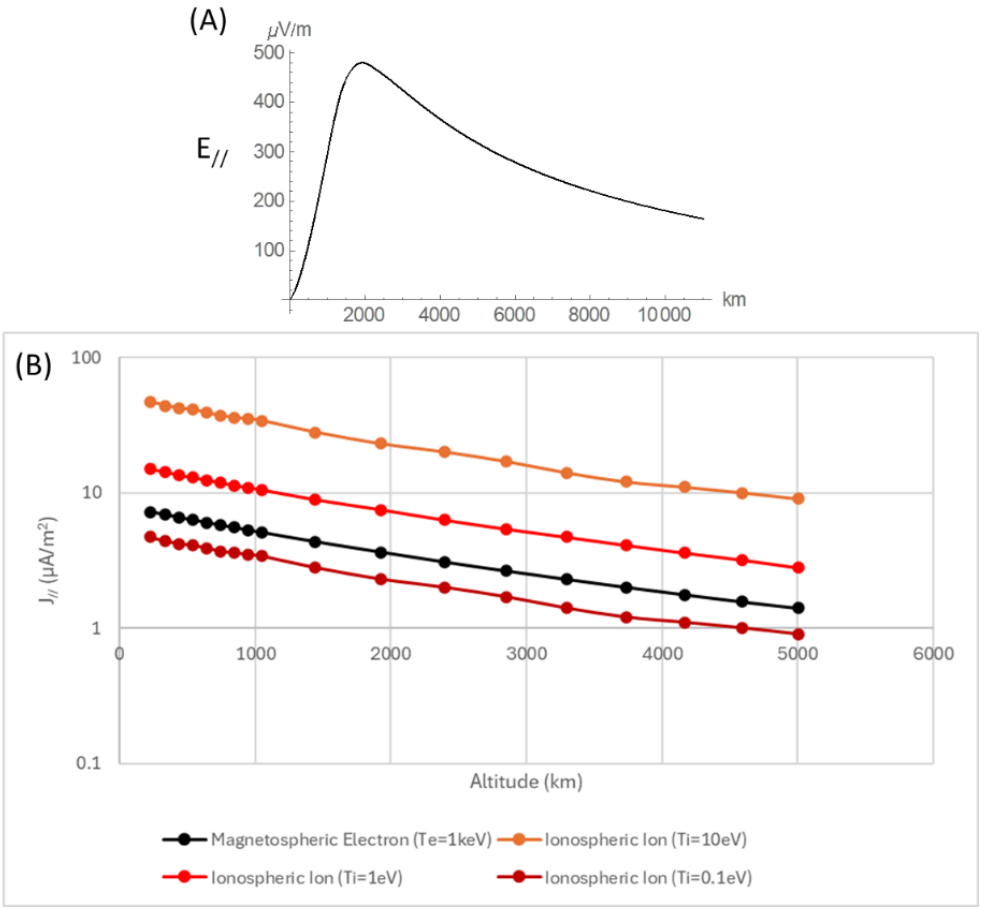
(A)
μV/m
500
400
300
200
100
E//
2000
4000
6000
8000
10000
km
(B)
100
10
1
0.1
J// (μA/m²)
0
1000
2000
3000
4000
5000
6000
Altitude (km)
Magnetospheric Electron (Te=1keV)
Ionospheric Ion (Ti=10eV)
Ionospheric Ion (Ti=1eV)
Ionospheric Ion (Ti=0.1eV)

Figure d