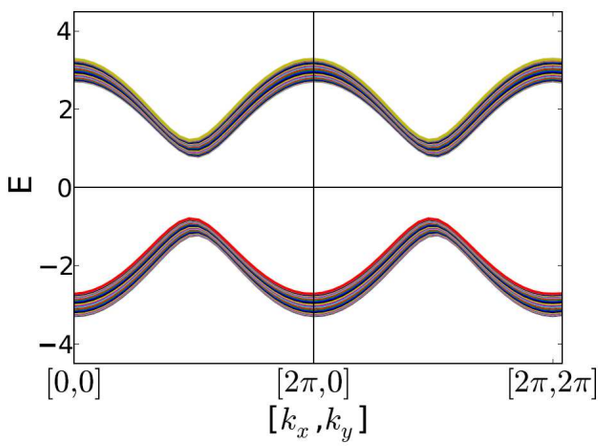
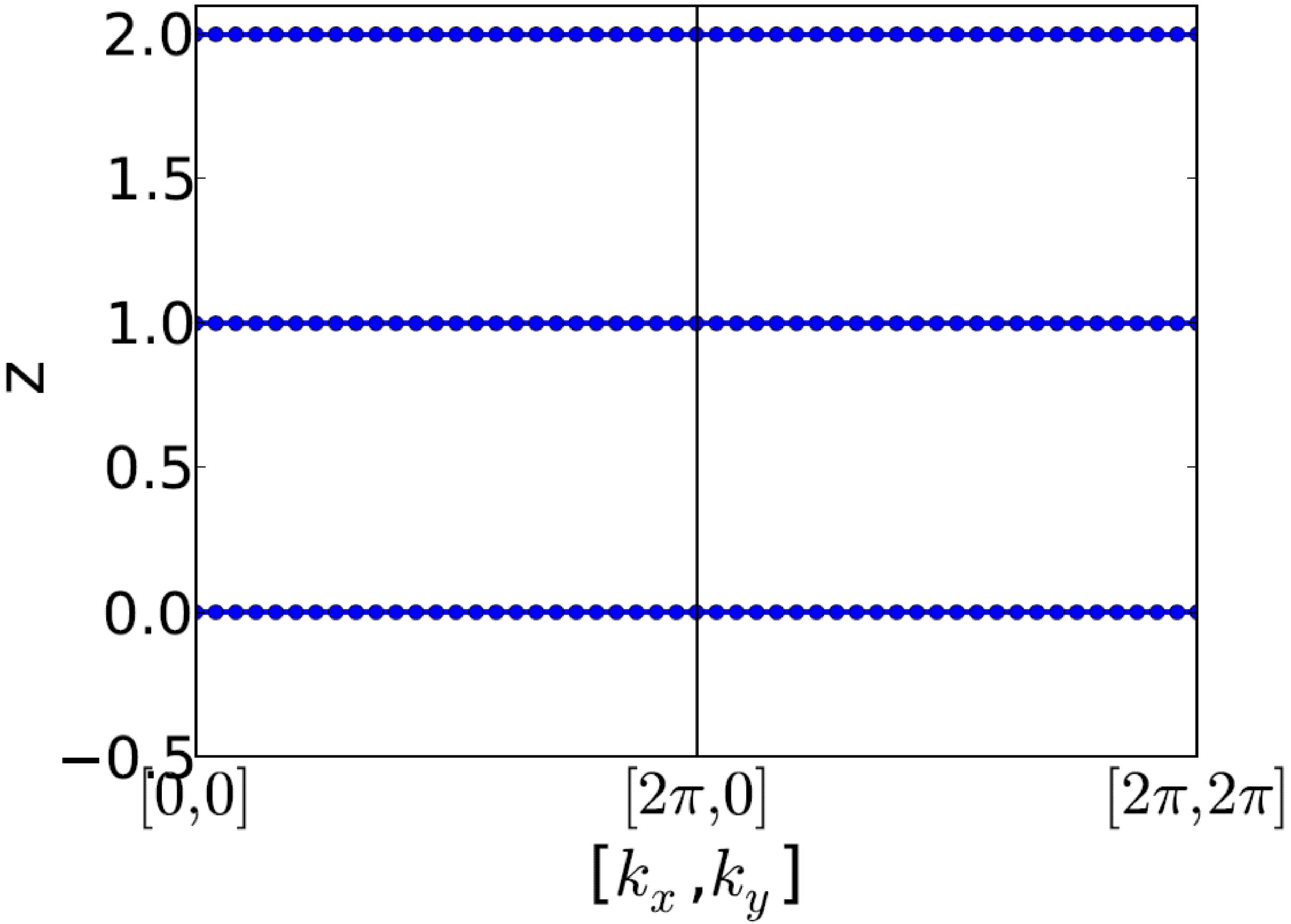
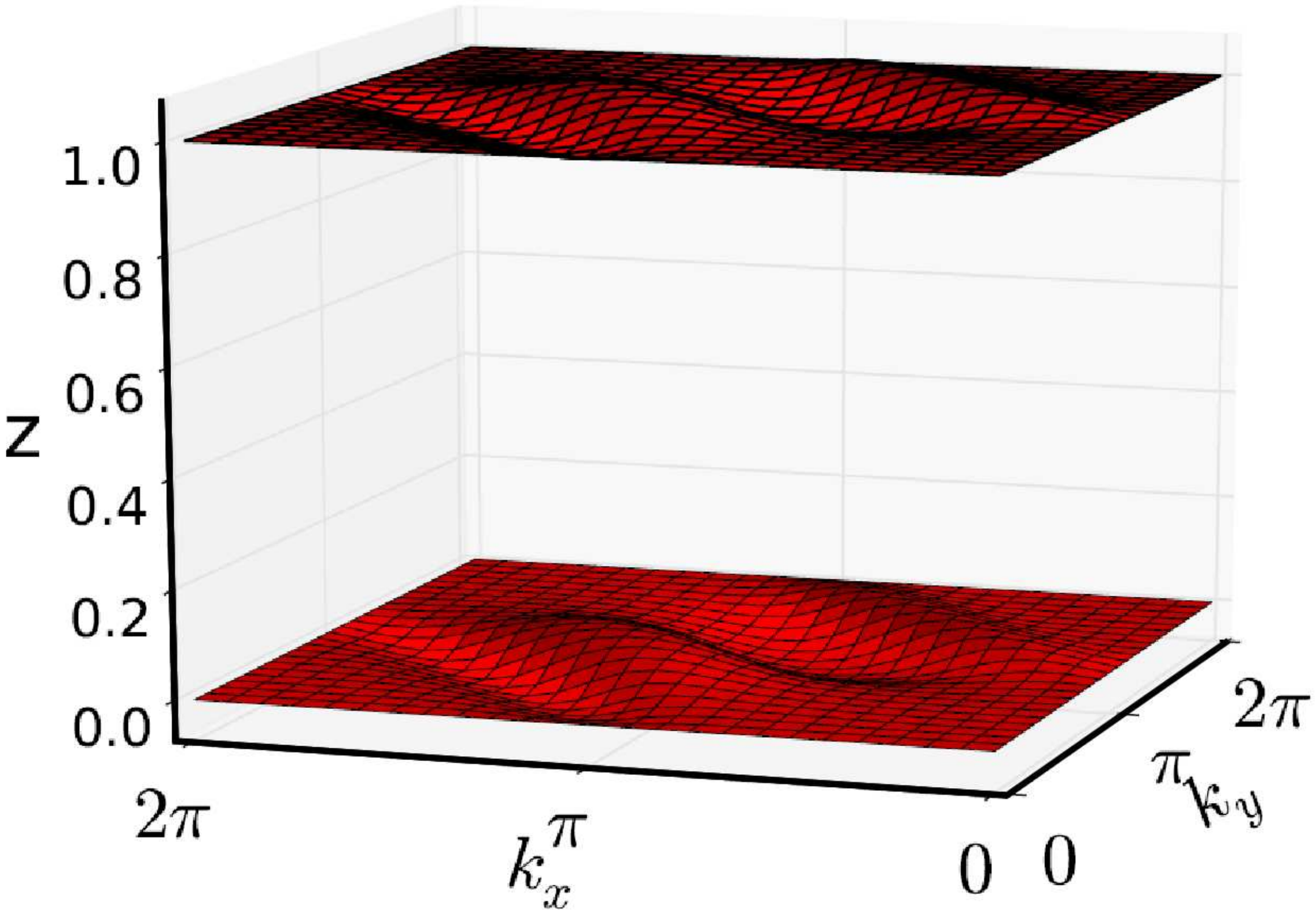

4
2
0
−2
−4
E
[0,0]
[2π,0]
[2π,2π]
[k_x ,k_y]


2.0
1.5
1.0
0.5
0.0
−0.5
N
[0,0]
[2π,0]
[2π,2π]
[k_x ,k_y]

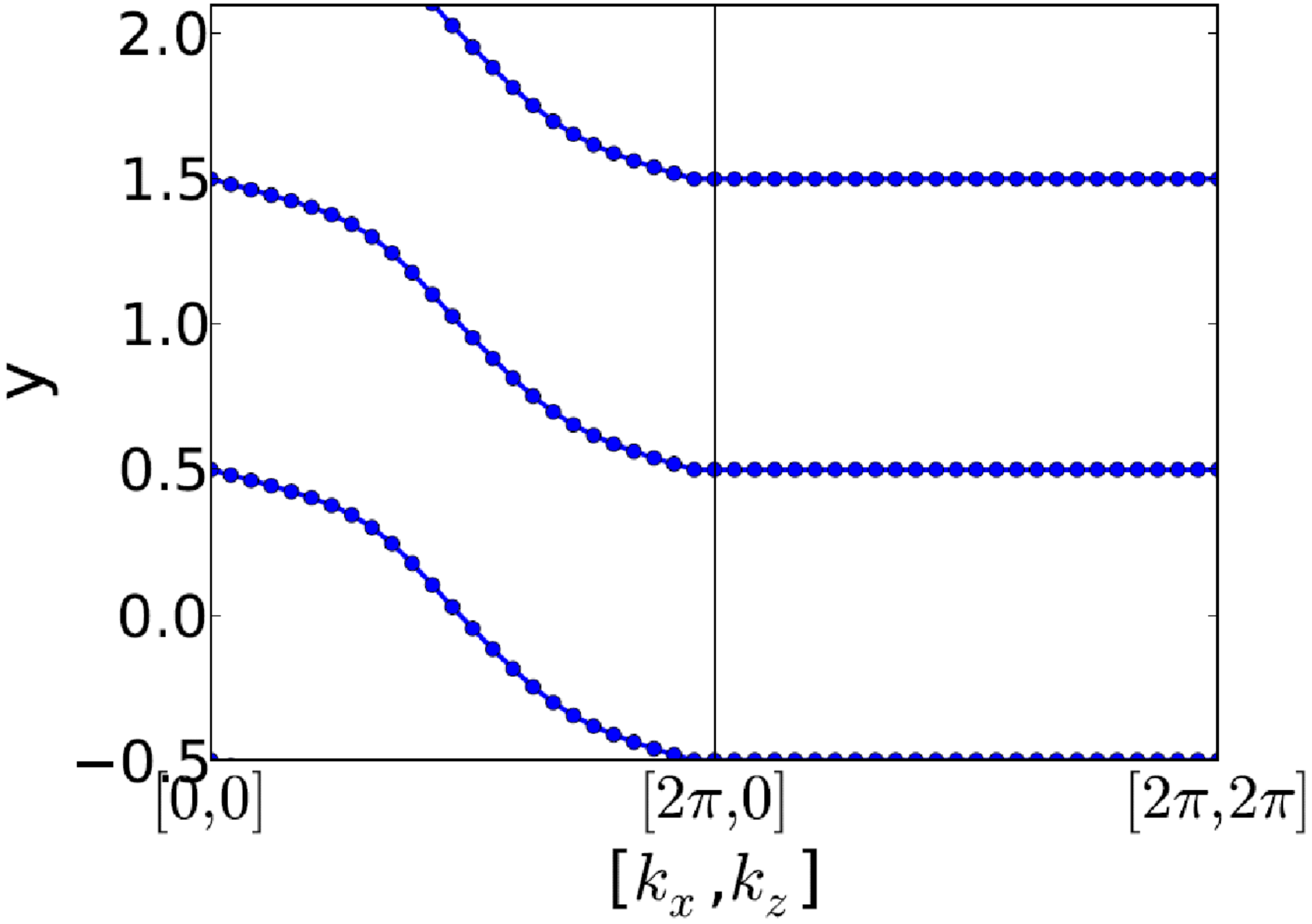

1.0
0.8
0.6
0.4
0.2
0.0
z
2π
k_x
π
0
0
π
k_y
2π

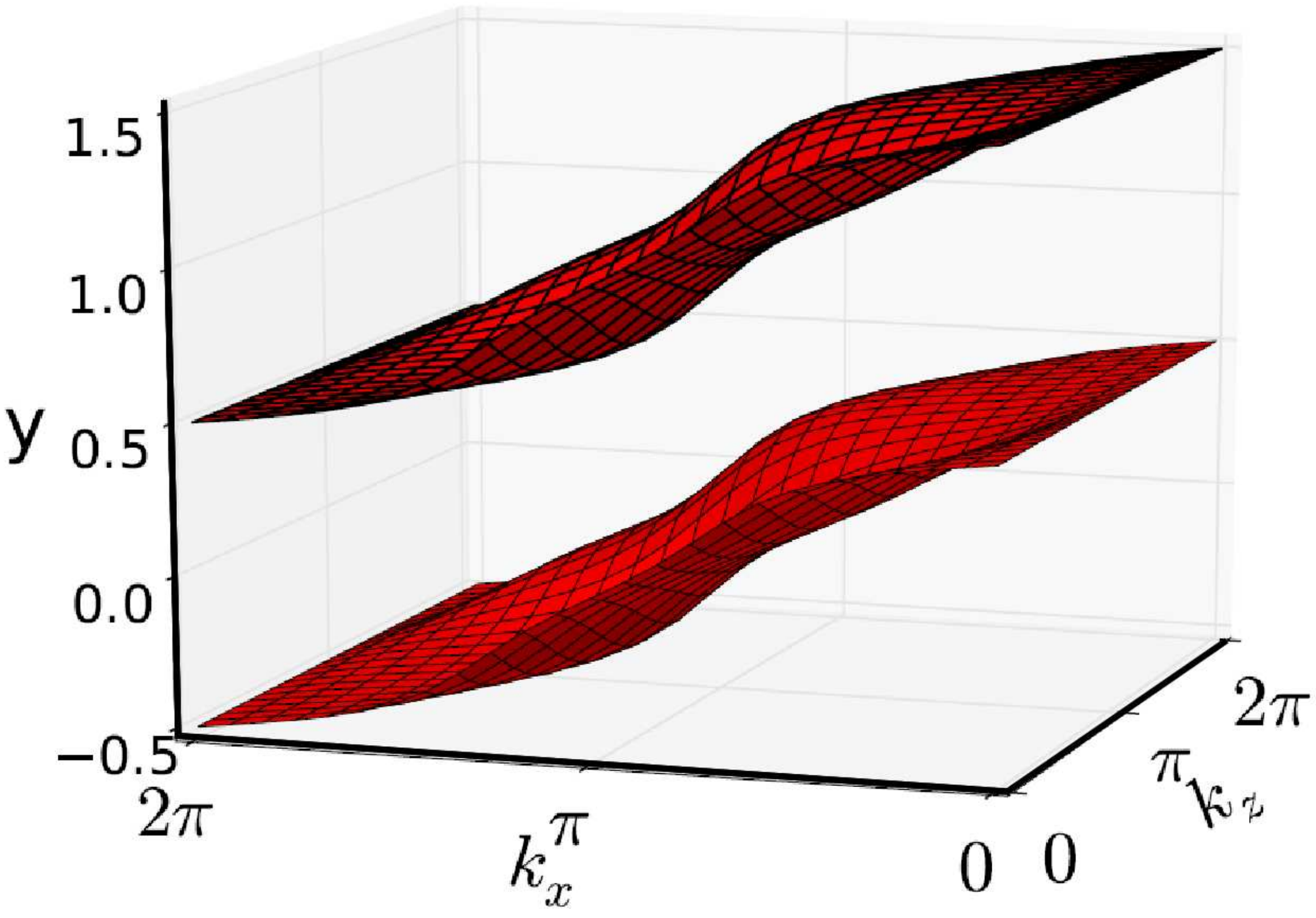
E

4
2
0
−2
−4

[0,0]
[2π,0]
[2π,2π]

$[k_x, k_z]$


2.0
1.5
1.0
0.5
0.0
−0.5
y
[0,0]
[2π,0]
[2π,2π]
[k_x ,k_z]


1.5
1.0
0.5
0.0
−0.5
y
2π
k_x
π
0
0
π
k_z
2π