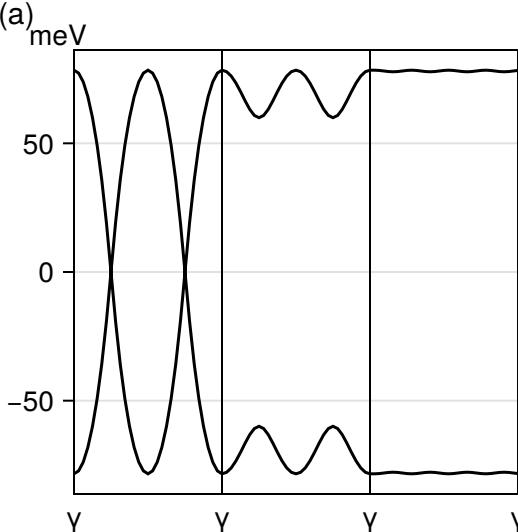
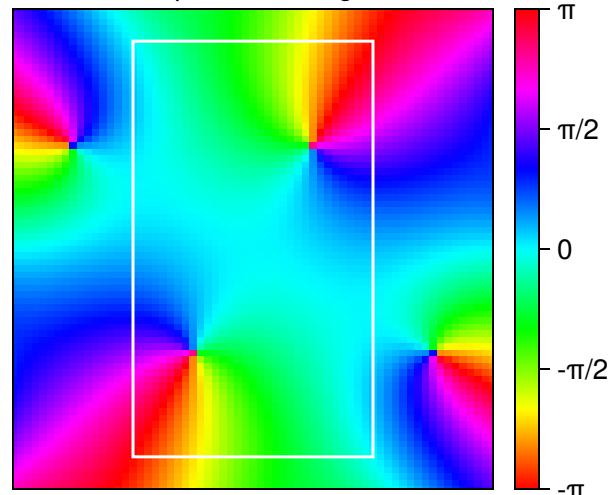


(a)



(b)

IVC phase winding=2



(c)

vortex lattice in type-II SC (PT)  $S_z=0$   $v=1$ 