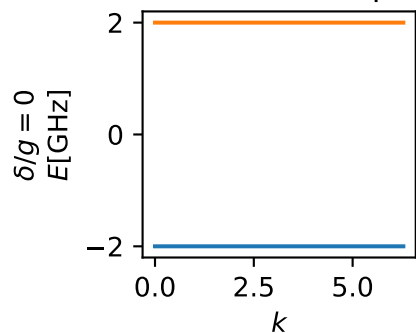
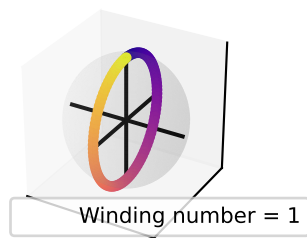


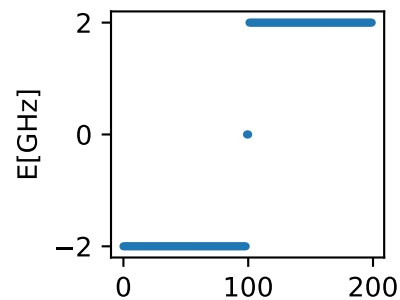
Spectrum
in momentum space



Hamiltonian trajectory
in momentum space



Spectrum of a
finite chain $N=100$



Eigenstate in the
middle of the spectrum

