

Self-consistent calculation

GenKpath[SSGname, momclass]

momclass = 0

HSP wavefunction calculation

momclass ≠ 0

HSP wavefunction calculation

GetTopfilling [SSGname, momclass, ν , n]

momclass = 0, $n = 0$

Topology under SSG
(vanishing SOC)

momclass = 0, $n = 1$

Topology under MSG
(negligible SOC)

momclass ≠ 0, $n = 0$

Topology under MSG
(realistic SOC)

CheckDegeneracy[SSGname, momclass]

Query the degeneracy of band
crossings