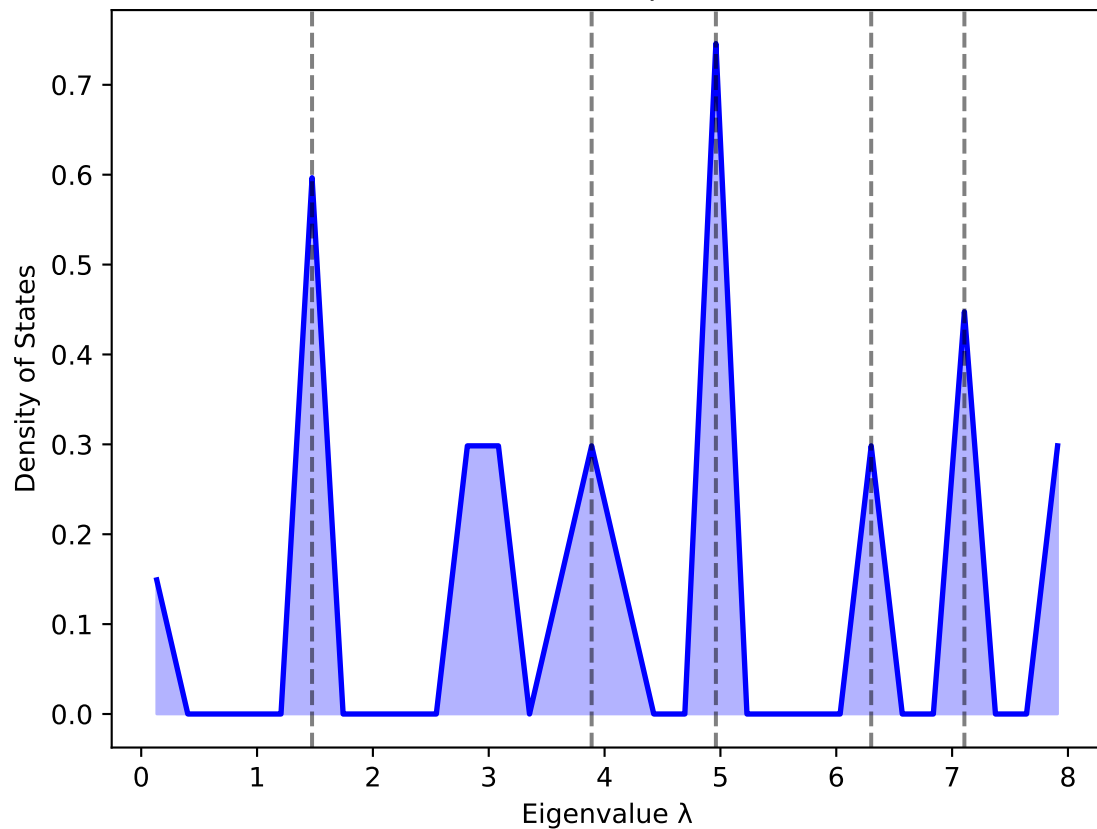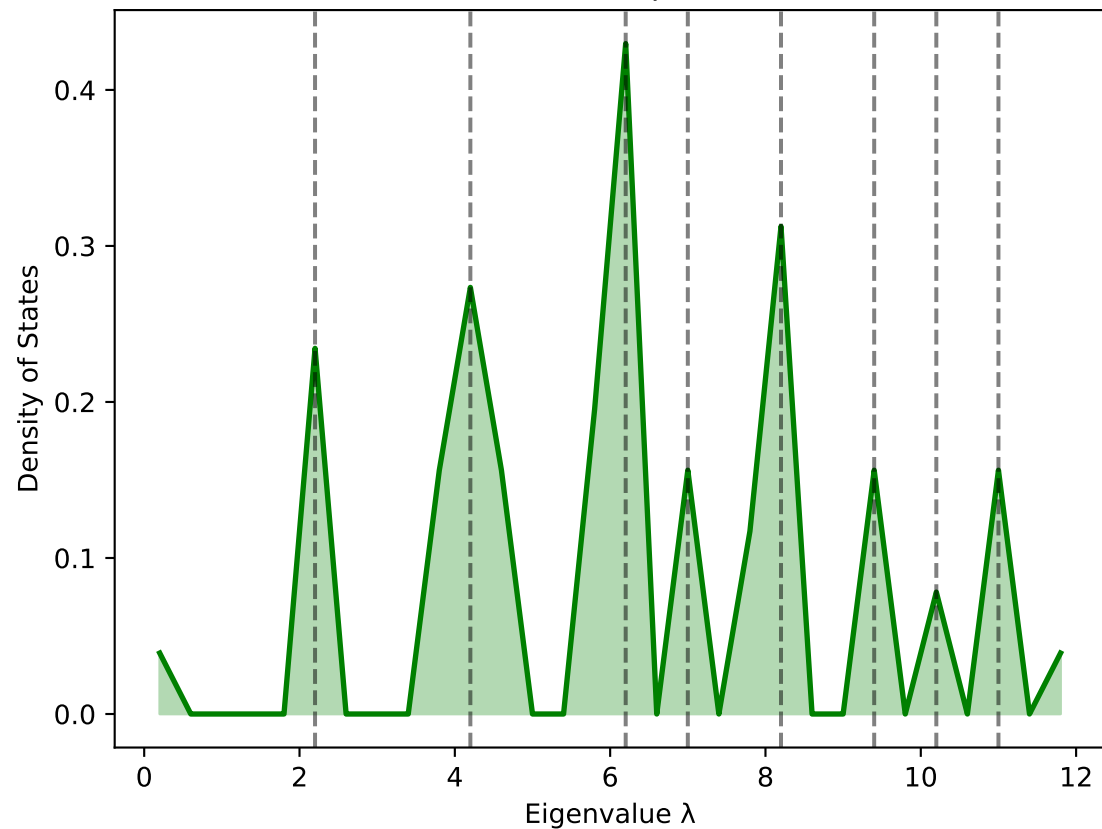# TAMESIS DERIVATION: Why 3 Fermion Generations?
Density of States of Topological Defects in D-dimensional Graphs
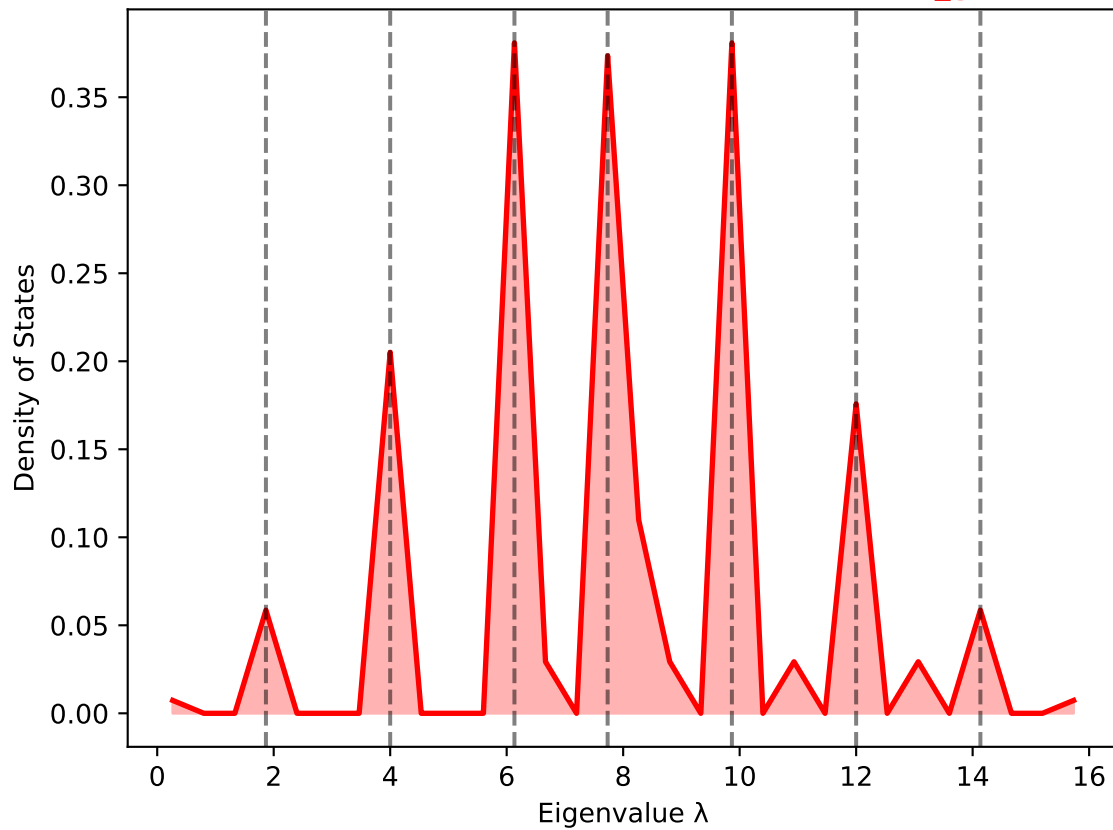

D = 2 dimensions: 5 peaks (families)

D = 3 dimensions: 8 peaks (families)

D = 4 dimensions: 7 peaks ← MATCHES N_gen=3

D = 5 dimensions: 5 peaks (families)