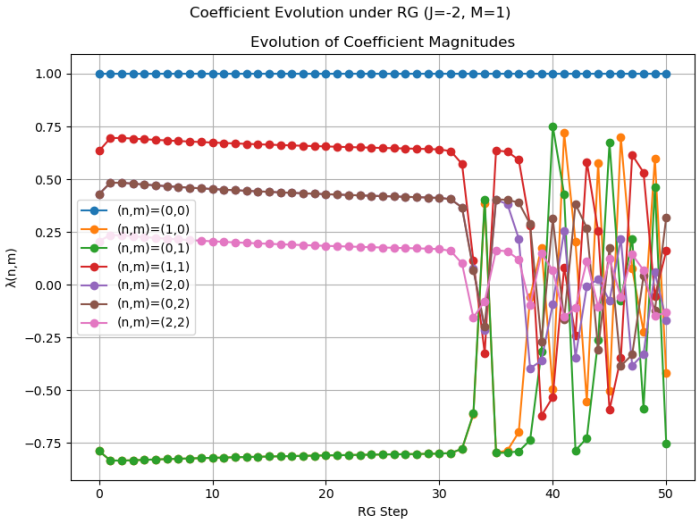
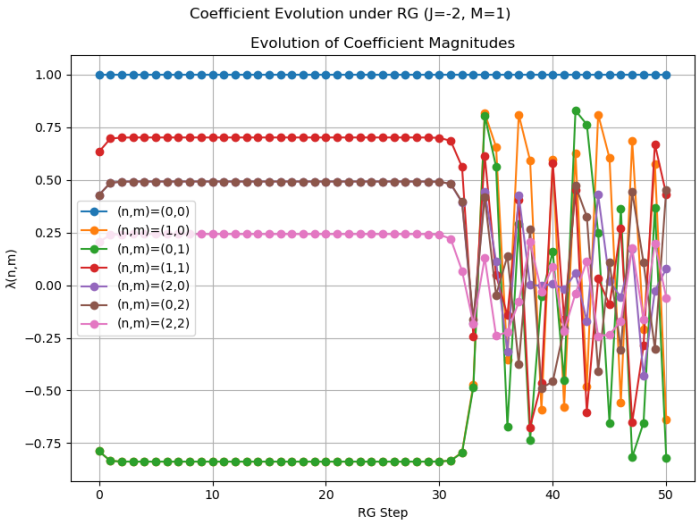
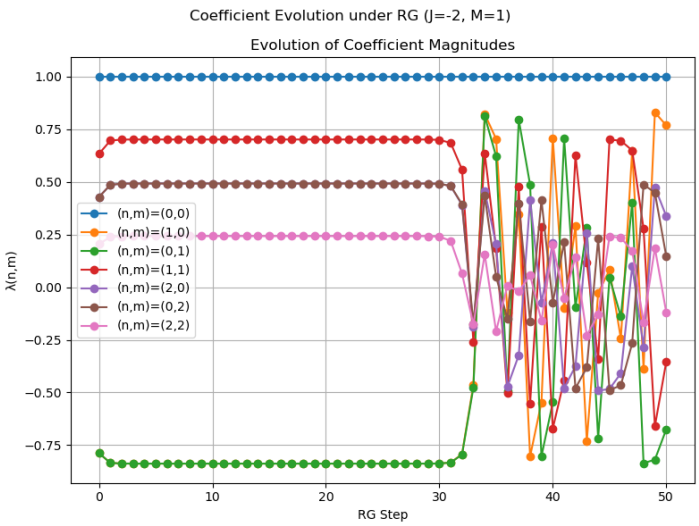


n_max = 5



n_max = 10



n_max = 20