Hamiltonian RG flow equation

H flow eqn.

$$\Delta H_{(j)} = \sum_{l=1}^{2n_j} \{ c_{j,l}^{\dagger} Tr_{j,l}(H_{(j)}c_{j,l}), \eta_{j,l} \}$$

ignored higher order correlated tangential scattering

condition: $\omega > \frac{\hbar v_F}{2} \Lambda_0$