

48th Eigenvector

$$N_e = 4 \quad s = 1 \quad m_s = 0$$

Irred. Representation : Γ_2

$$E_{48} = 2t + U + 5W$$

$$\begin{aligned} |\Psi_{48}\rangle &= |4, 1, 0, \Gamma_2\rangle \\ &= \frac{1}{\sqrt{6}} (|2du\rangle + |2ud\rangle - |d2u\rangle + |du2\rangle - |u2d\rangle + |ud2\rangle) \end{aligned}$$