

25th Eigenvector

$$N_e = 2 \quad s = 1 \quad m_s = 0$$

Irred. Representation : $\Gamma_{4,2}$

$$E_{25} = 2(t + W)$$

$$\begin{aligned} |\Psi_{25}\rangle &= |2, 1, 0, \Gamma_{4,2}\rangle \\ &= \frac{1}{2\sqrt{2}} (|00du\rangle + |00ud\rangle + |0d0u\rangle + |0u0d\rangle - |d0u0\rangle - |du00\rangle - |u0d0\rangle - |ud00\rangle) \end{aligned}$$