

61st Eigenvector

$$N_e = 5 \quad s = \frac{1}{2} \quad m_s = \frac{1}{2}$$

Irred. Representation : Γ_1

$$E_{61} = -2t + 2U + 8W$$

$$\begin{aligned} |\Psi_{61}\rangle &= |5, \frac{1}{2}, \frac{1}{2}, \Gamma_1\rangle \\ &= \frac{1}{\sqrt{3}} (|22u\rangle + |2u2\rangle + |u22\rangle) \end{aligned}$$