

5th Eigenvector

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

Irred. Representation : Γ_1

$$E_5 = 2t$$

$$\begin{aligned} |\Psi_5\rangle &= |1, \frac{1}{2}, \frac{1}{2}, \Gamma_1\rangle \\ &= \frac{1}{\sqrt{3}} (|00u\rangle + |0u0\rangle + |u00\rangle) \end{aligned}$$