

90th Eigenvector

$$N_e = 3 \quad s = \frac{3}{2} \quad m_s = \frac{3}{2}$$

Irred. Representation : Γ_2

$$E_{90} = \frac{3}{2}(J - 2t + 4W)$$

$$\begin{aligned} |\Psi_{90}\rangle &= |3, \frac{3}{2}, \frac{3}{2}, \Gamma_2\rangle \\ &= \frac{1}{2} (|0uuu\rangle - |u0uu\rangle + |uu0u\rangle - |uuu0\rangle) \end{aligned}$$