

243rd Eigenvector

$$N_e = 6 \quad s = 1 \quad m_s = 1$$

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

$$E_{243} = \frac{1}{2}(J - 4t + 4U + 52W)$$

$$\begin{aligned} |\Psi_{243}\rangle &= |6, 1, 1, \Gamma_{4,2}\rangle \\ &= \frac{1}{2}(|22uu\rangle + |2u2u\rangle - |u2u2\rangle - |uu22\rangle) \end{aligned}$$