

151st Eigenvector

$$N_e = 4 \quad s = 1 \quad m_s = 1$$

Irred. Representation : $\Gamma_{4,1}$

$$E_{151} = \frac{J}{2} + U + 10W$$

$$\begin{aligned} |\Psi_{151}\rangle &= |4, 1, 1, \Gamma_{4,1}\rangle \\ &= \frac{1}{2\sqrt{2}} (|0u2u\rangle + |0uu2\rangle + |2u0u\rangle + |2uu0\rangle + |u02u\rangle + |u0u2\rangle + |u20u\rangle + |u2u0\rangle) \end{aligned}$$