

149th Eigenvector

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

Irred. Representation : $\Gamma_{3,1}$

$$E_{149} = \frac{J}{2} + U + 10W$$

$$\begin{aligned} |\Psi_{149}\rangle &= |4, 1, 1, \Gamma_{3,1}\rangle \\ &= \frac{1}{2\sqrt{2}} (|02uu\rangle - |0uu2\rangle - |20uu\rangle + |2uu0\rangle - |u02u\rangle + |u20u\rangle + |uu02\rangle - |uu20\rangle) \end{aligned}$$