

143rd Eigenvector

$$N_e = 4 \quad s = 0 \quad m_s = 0$$

Irred. Representation : $\Gamma_{5,3}$

$$E_{143} = -J + U + 10W$$

$$\begin{aligned} |\Psi_{143}\rangle &= |4, 0, 0, \Gamma_{5,3}\rangle \\ &= \frac{1}{4} (|02du\rangle - |02ud\rangle - |0d2u\rangle + |0u2d\rangle - |20du\rangle + |20ud\rangle + |2d0u\rangle - |2u0d\rangle \\ &\quad + |d0u2\rangle - |d2u0\rangle - |du02\rangle + |du20\rangle - |u0d2\rangle + |u2d0\rangle + |ud02\rangle - |ud20\rangle) \end{aligned}$$