

255th Eigenvector

$$N_e = 7 \quad s = \frac{1}{2} \quad m_s = \frac{1}{2}$$

Irred. Representation : $\Gamma_{4,3}$

$$E_{255} = t + 3U + 36W$$

$$\begin{aligned} |\Psi_{255}\rangle &= |7, \frac{1}{2}, \frac{1}{2}, \Gamma_{4,3}\rangle \\ &= \frac{1}{2} (|222u\rangle - |22u2\rangle + |2u22\rangle - |u222\rangle) \end{aligned}$$