

248th Eigenvector

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

Irred. Representation : Γ_1

$$E_{248} = -3t + 3U + 36W$$

$$\begin{aligned} |\Psi_{248}\rangle &= |7, \frac{1}{2}, -\frac{1}{2}, \Gamma_1\rangle \\ &= \frac{1}{2} (|222d\rangle + |22d2\rangle + |2d22\rangle + |d222\rangle) \end{aligned}$$