

225th Eigenvector

$$N_e = 6 \quad s = 1 \quad m_s = -1$$

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

$$E_{225} = \frac{1}{2}(J + 4(t + U + 13W))$$

$$\begin{aligned} |\Psi_{225}\rangle &= |6, 1, -1, \Gamma_{5,3}\rangle \\ &= \frac{1}{2}(|22dd\rangle - |2d2d\rangle + |d2d2\rangle - |dd22\rangle) \end{aligned}$$