

220th Eigenvector

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

Irred. Representation : $\Gamma_{4,1}$

$$E_{220} = \frac{1}{2}(J - 4t + 4U + 52W)$$

$$\begin{aligned} |\Psi_{220}\rangle &= |6, 1, -1, \Gamma_{4,1}\rangle \\ &= \frac{1}{2}(|2d2d\rangle + |2dd2\rangle + |d22d\rangle + |d2d2\rangle) \end{aligned}$$