

43rd Eigenvector

$$N_e = 4 \quad s = 1 \quad m_s = -1$$

Irred. Representation : Γ_2

$$E_{43} = \frac{J}{2} + 2t + U + 5W$$

$$\begin{aligned} |\Psi_{43}\rangle &= |4, 1, -1, \Gamma_2\rangle \\ &= \frac{1}{\sqrt{3}} (|2dd\rangle - |d2d\rangle + |dd2\rangle) \end{aligned}$$