

54th Eigenvector

$$N_e = 4 \quad s = 1 \quad m_s = 0$$

Irred. Representation : $\Gamma_{3,2}$

$$E_{54} = -t + U + 5W$$

$$\begin{aligned} |\Psi_{54}\rangle &= |4, 1, 0, \Gamma_{3,2}\rangle \\ &= \frac{1}{2} (|d2u\rangle + |du2\rangle + |u2d\rangle + |ud2\rangle) \end{aligned}$$