

22nd Eigenvector

$$N_e = 2 \quad s = 1 \quad m_s = 1$$

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

$$E_{22} = \frac{J}{2} + t + W$$

$$\begin{aligned} |\Psi_{22}\rangle &= |2, 1, 1, \Gamma_{3,2}\rangle \\ &= \frac{1}{\sqrt{2}} (|u0u\rangle + |uu0\rangle) \end{aligned}$$