247^{th} Eigenvector

$\boldsymbol{N_e = 6 \qquad s = 1 \qquad m_s = 1}$

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

$$E_{247} = \frac{1}{2}(J + 4(t + U + 13W))$$

$$\begin{aligned} |\Psi_{247}\rangle &= |6, 1, 1, \Gamma_{5,3}\rangle \\ &= \frac{1}{2}\left(|22uu\rangle - |2u2u\rangle + |u2u2\rangle - |uu22\rangle\right) \end{aligned}$$