215th Eigenvector

$$N_e \;=\; 5 \qquad s = \frac{3}{2} \qquad m_s = \frac{1}{2}$$

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

$$E_{215} \;=\; \frac{J}{2} - t + U + 18W$$

$$
\begin{aligned}
|\Psi_{215}\rangle \;&=\; |5, \tfrac{3}{2}, \tfrac{1}{2}, \Gamma_{5,3}\rangle \\
&=\; \frac{1}{2\sqrt{3}} \left(|2duu\rangle + |2udu\rangle + |2uud\rangle + |d2uu\rangle - |du2u\rangle - |duu2\rangle \right. \\
&\qquad\qquad \left. + |u2du\rangle + |u2ud\rangle - |ud2u\rangle - |udu2\rangle - |uu2d\rangle - |uud2\rangle \right)
\end{aligned}
$$