$9^{\mathbf{th}}$ Eigenvector

$\boldsymbol{N_e} \;=\; \mathbf{1} \qquad \boldsymbol{s = \frac{1}{2}} \qquad \boldsymbol{m_s = \frac{1}{2}}$

Irred. Representation : $\boldsymbol{\Gamma_{4,3}}$

$$E_9 \;=\; -t$$

$$\begin{aligned} |\Psi_9\rangle \;&=\; |1, \frac{1}{2}, \frac{1}{2}, \Gamma_{4,3}\rangle \\ &=\; \frac{1}{2}\left(|000u\rangle - |00u0\rangle + |0u00\rangle - |u000\rangle\right) \end{aligned}$$