10^{th} Eigenvector

$\boldsymbol{N_e = 2 \qquad s = 1 \qquad m_s = -1}$

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

$$E_{10} = \frac{J}{2} + t + W$$

$$\begin{aligned} |\Psi_{10}\rangle &= |2, 1, -1, \Gamma_{3,2}\rangle \\ &= \frac{1}{\sqrt{2}} \left(|d0d\rangle + |dd0\rangle \right) \end{aligned}$$