

## 11<sup>st</sup> Eigenvector

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

Irred. Representation :  $\Gamma_{4,2}$

$$E_{11} = \frac{1}{2}(J + 4(t + W))$$

$$\begin{aligned} |\Psi_{11}\rangle &= |2, 1, -1, \Gamma_{4,2}\rangle \\ &= \frac{1}{2}(|00dd\rangle + |0d0d\rangle - |d0d0\rangle - |dd00\rangle) \end{aligned}$$