

## 8<sup>th</sup> Eigenvector

$$N_e = 1 \quad s = \frac{1}{2} \quad m_s = \frac{1}{2}$$

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

$$E_8 = -t$$

$$\begin{aligned} |\Psi_8\rangle &= |1, \frac{1}{2}, \frac{1}{2}, \Gamma_{4,2}\rangle \\ &= \frac{1}{2}(|000u\rangle - |00u0\rangle - |0u00\rangle + |u000\rangle) \end{aligned}$$