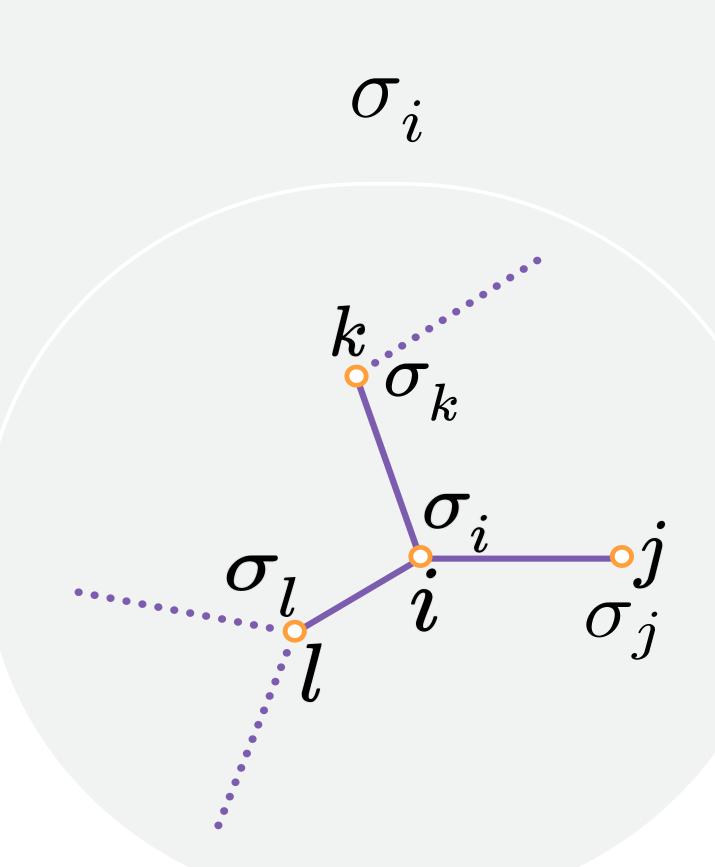
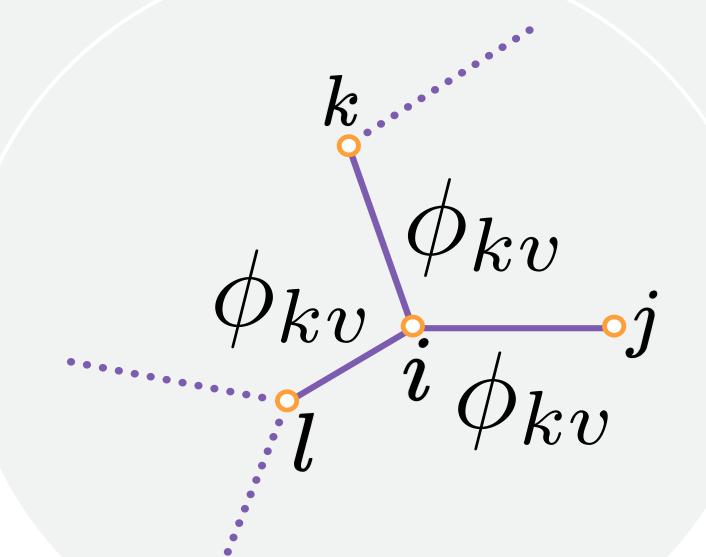
Node States



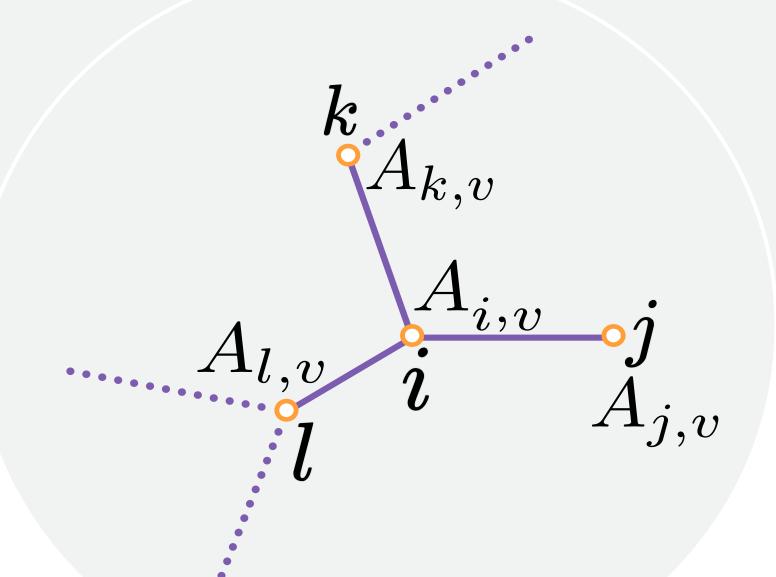
Particle Basis

$$\phi_{kv}(\sigma_i,\sigma_j)$$



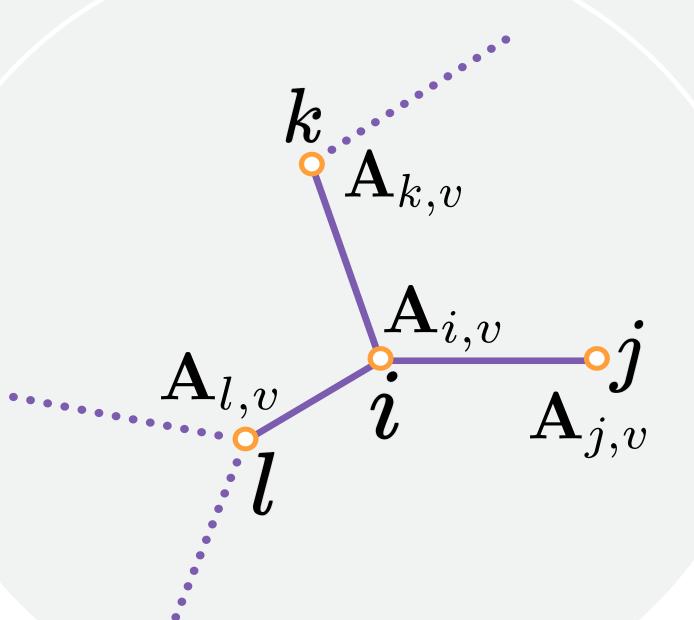
Atomic Basis

$$A_{i,kv} = \sum_{j \in \mathcal{N}(i)} \phi_{kv}(\sigma_i, \sigma_j)$$



Product Basis

$$\mathbf{A}_{i,k\mathbf{v}} = \prod_{\xi=1}^{\nu} A_{i,k\nu_{\xi}}$$



Symmetrized Basis

$$\mathbf{B}_{i,k\mathbf{v}} = \int_{O(3)} \mathbf{A}_{i,k\mathbf{v}} \circ QdQ$$

