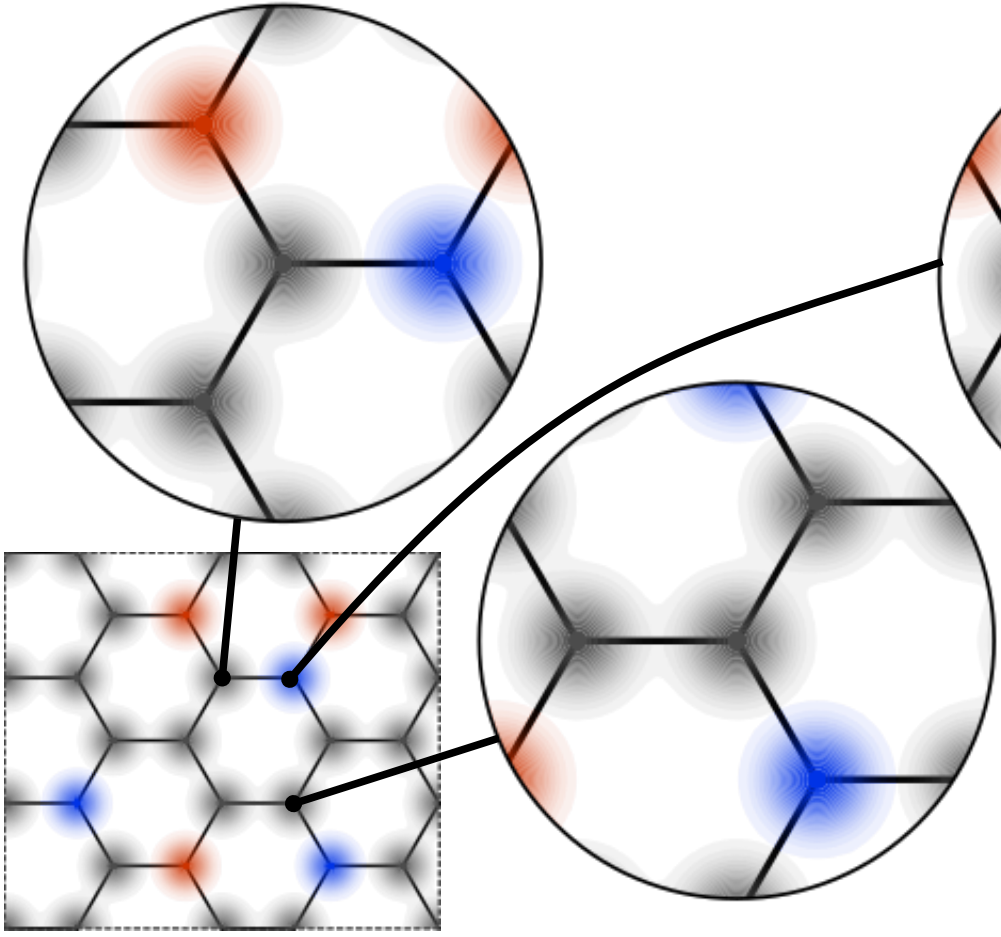

$$\int \mathrm{d}\hat{t}\, \langle \mathbf{0} | \hat{t} | \mathcal{A} \rangle \langle \mathbf{r} | \hat{t} | \mathcal{A} \rangle =$$
$$\langle \mathbf{r} | \mathcal{A}\mathcal{A} \rangle_{\hat{t}} = \sum_j |\alpha_j\rangle \langle \mathbf{r} | \mathcal{X}_j \rangle$$
$$\langle \mathbf{r} | \mathcal{X}_j \rangle = \sum_i g(\mathbf{r} - \mathbf{r}_{ij}) \, |\alpha_i\rangle$$