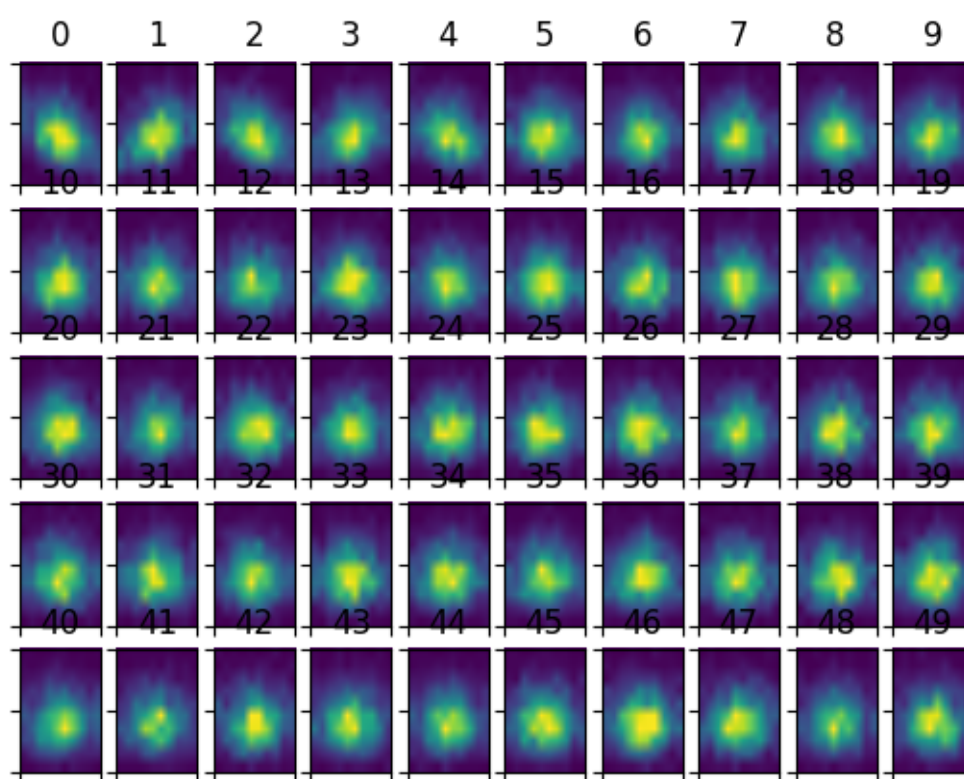


Devoir personnel

1

$$\begin{aligned}\bar{e}^2 &= \left\| \sum_i (v_i - u_i) \phi_i \right\|_{L^2(\Omega)}^2 \\ &= \sum_i (v_i - u_i)^2 \int_{\Omega} |\phi_i| \\ &= \sum_i (v_i - u_i)^2 (\text{diag}(M))_i\end{aligned}\tag{1}$$



CV : estimation regularisateur

