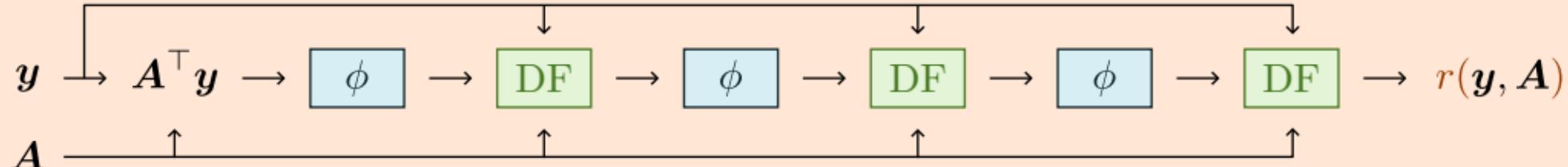


Equivariant reconstructor

$$\mathbf{y} \longrightarrow \frac{1}{|\mathcal{G}|} \sum_{g \in \mathcal{G}} T_g \mathbf{r}(\mathbf{y}, \mathbf{A} \mathbf{T}_g) \longrightarrow f(\mathbf{y}, \mathbf{A})$$



$$\begin{aligned} & \mathbf{y} \\ & \downarrow \\ z & \rightarrow (\mathbf{A}^\top \mathbf{A} + \nu \mathbf{I})^{-1} (\mathbf{A}^\top \mathbf{y} + \nu \mathbf{z}) \rightarrow \mathbf{x} \\ & \uparrow \\ & \mathbf{A} \quad \text{Data-fidelity (DF)} \end{aligned}$$

$$\begin{aligned} x & \longrightarrow \text{UNet} \longrightarrow \phi(x) \\ & \qquad \qquad \qquad \text{Denoiser} \end{aligned}$$

MoDL