PnP-Flow

- Pre-trained flow-matching velocity $v^{ heta}$
- Datafit function F
- Learning rates $(\gamma_t)_{t\in[0,1]}$

$$t=0$$
 While $t<1$: Gradient step on the datafit $z_t=x_t-\gamma_t
abla F(x_t)$ Reprojection onto the path $ilde{z}_t=tz_t+(1-t)\epsilon,\ \epsilon\sim\mathcal{N}(0,I)$ Denoising $x_t\leftarrow ilde{z}_t+(1-t)v_t^{ heta}(ilde{z}_t)$ $t\leftarrow t+\Delta_t$ Return x_1