

Neural Network

$$\begin{aligned} |\mathcal{L}_{FB}|_2^2 &= \mathcal{L}_{FB} \\ |\mathcal{L}_{Residual}|_2^2 &= \mathcal{L}_{Residual} \\ |\mathcal{L}_{BC}|_2^2 &= \mathcal{L}_{BC} \\ |\mathcal{L}_{IC}|_2^2 &= \mathcal{L}_{IC} \\ |\mathcal{L}_{SC}|_2^2 &= \mathcal{L}_{SC} \end{aligned}$$

Loss Balancing

$$\text{Calculate} \Rightarrow \begin{cases} \lambda_{FB} \\ \lambda_{Residual} \\ \lambda_{BC} \\ \lambda_{IC} \\ \lambda_{SC} \end{cases}$$

Final Loss

$$\mathcal{L} = \sum_{i=1}^n \lambda_i \mathcal{L}_i$$