

large-scale 3D
dataset

1.pre-training



Geometry
Encoder

Geometry
Features

Geo-Guided
Cond. Adaptor

Backbone

Normalization

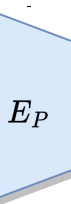
2.training



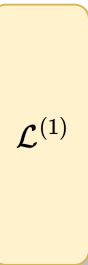
Input

∂D

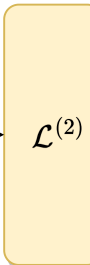
2.training



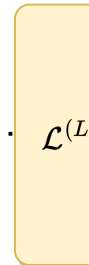
f_{geo}



$\mathcal{A}^{(1)}$



$\mathcal{A}^{(2)}$



$\mathcal{A}^{(L)}$

Output

2.training

\bar{D}

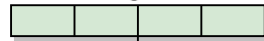
2.training

$\mathcal{L}^{(1)}$

$\mathcal{L}^{(2)}$

$\mathcal{L}^{(L)}$

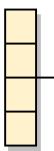
f_{geo}



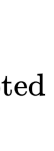
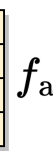
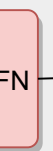
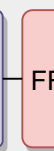
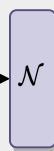
\mathcal{N}

FC

f_{hidden}



\oplus



f_{adapted}