ICCV HONOLULU HAWAII OCT 19-23, 2025

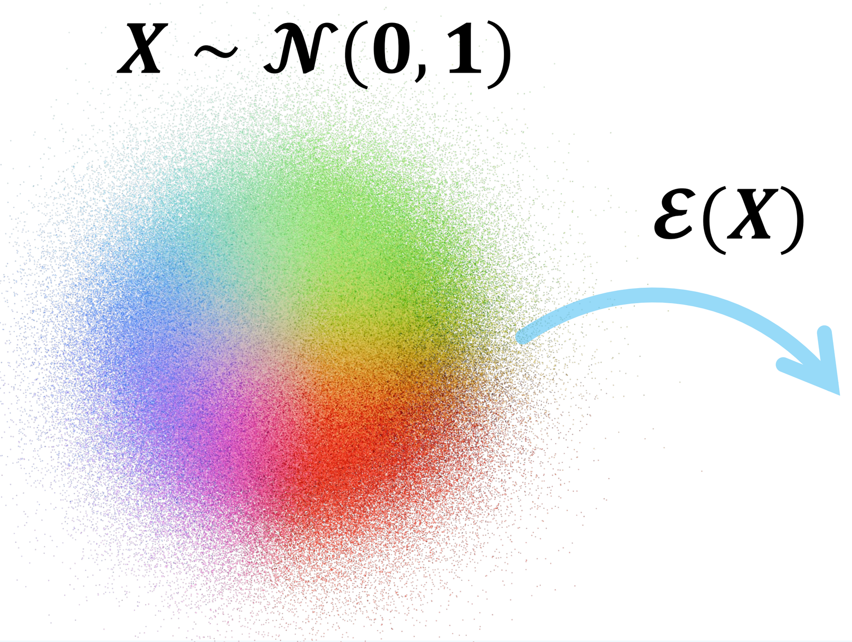
King Abdullah University of Science and Technology

ETH zürich

Geometry Distribution

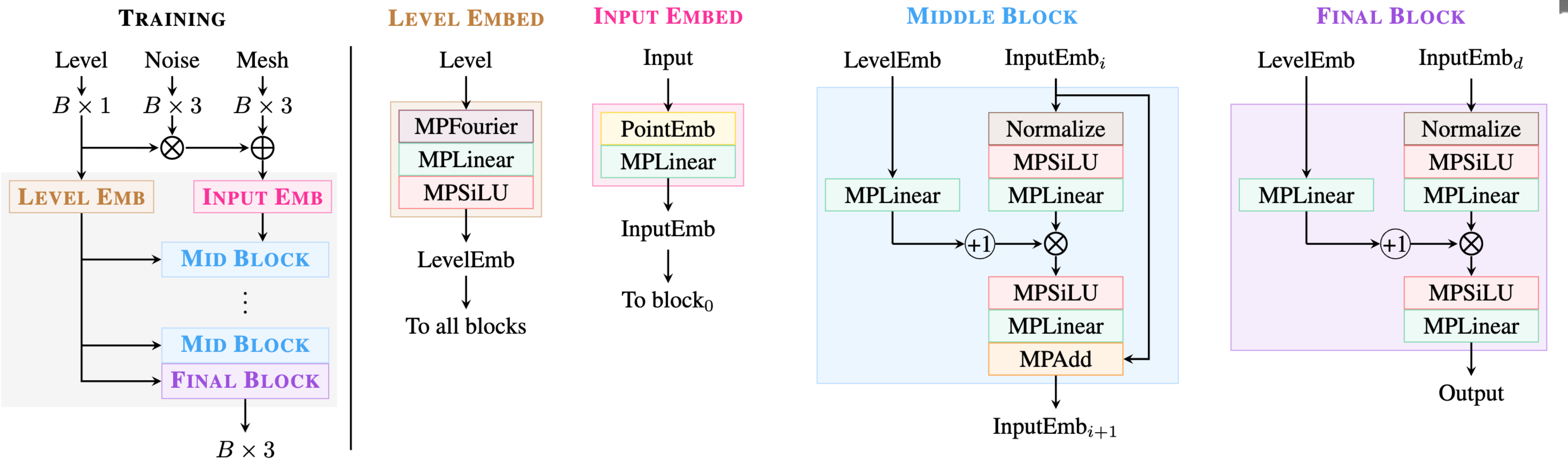
Biao Zhang[1], Jing Ren[2], Peter Wonka[1]

[1] KAUST, [2] ETH Zurich



Problem Formulation We present a new neural representation of 3D data: our trained diffusion network $\mathcal{E}$ can transform the samples X from a Gaussian distribution $\mathcal{N}$ to the target geometry. This representation can handle geometries with complex details, high genus, sharp features, and non-watertight surfaces.

Network Overview



Results & Applications