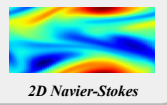
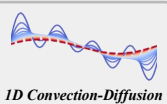
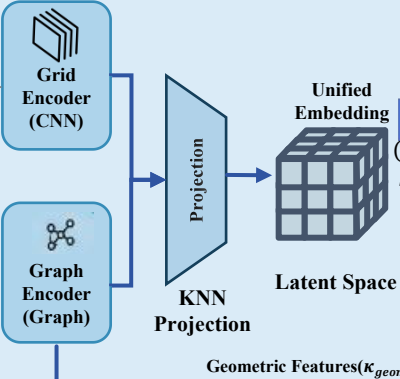


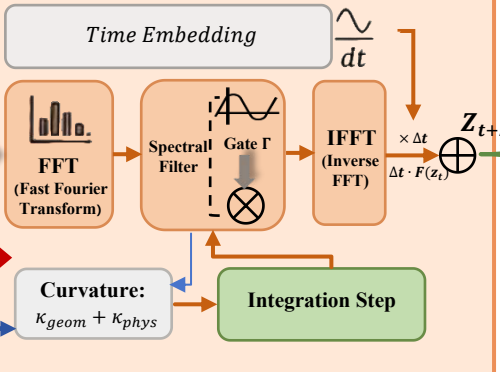
Generalized Geometries Input



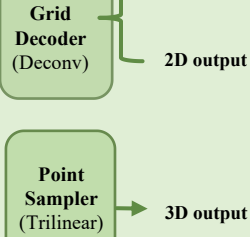
GALA: Geometry-Agnostic Latent Adapter



GSEO: Gated Spectral Evolution Operator



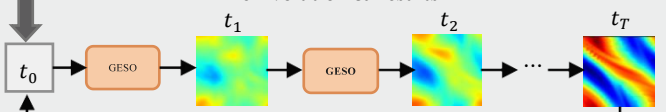
Decoder



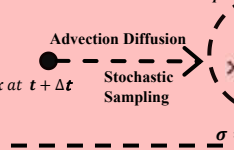
Prediction ($\hat{u}_{t+\Delta t}$)

Initial Condition (u_{t_0})

Time Evolution & results

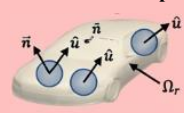


Temporal Integral (I_{temp})



LIPE Unsupervised Training

Spatial Constraints ($I_{spatial}$)



Physics Integral Loss

For Transient

For Steady-State

No Label Required