	ℓ-Cont	ℓ-MRRE	ℓ-Trust	Data MSE	ℓ-RMSE	KL_{100}	KL_{1000}	KL_{10000}
Vanilla	0.94390	0.02551	0.95405	**0.23220**	35.48462	0.5111774694	0.1941328358	0.0220266605
TopoReg	**0.96750**	0.02191	0.95267	0.23889	8.62738	**0.0097384770**	**0.0000873050**	**0.0000008613**
GeomAE (proposed)	0.95429	0.02389	**0.96398**	0.23425	7.37189	**0.0116251532**	**0.0001632831**	**0.00000017164**
PCA	0.91435	0.11352	0.83763	0.55072	**7.17716**	0.0189657367	0.0001975531	0.0000019888
TSNE	0.94386	**0.01282**	0.94865	NaN	44.49409	0.0252894339	0.0381661156	0.0034396739
UMAP	0.94998	**0.01684**	0.96120	nan	**5.08458**	0.0256239223	0.0011250697	0.0000136494
ParametricUMAP	**0.95996**	0.01922	**0.97012**	0.22284	7.80127	0.0362232883	0.0041779698	0.0000617689