

	ℓ -Cont	ℓ -MRRE	ℓ -Trust	Data MSE	ℓ -RMSE	KL ₁₀₀	KL ₁₀₀₀	KL ₁₀₀₀₀
Vanilla	0.92028	0.05469	0.93324	<u>0.34684</u>	15.96386	0.3006407589	0.0557249287	0.0020993301
TopoReg	<u>0.94396</u>	0.05098	0.92085	0.35683	19.46719	0.1396558730	0.0026379240	0.0000280879
GeomAE (proposed)	0.93514	0.05022	<u>0.93979</u>	0.34813	16.32481	0.1370182905	0.0023378176	0.0000248213
PCA	0.91079	0.10384	0.86547	0.59158	12.26462	0.1340843060	<u>0.0021515128</u>	<u>0.0000228683</u>
TSNE	0.93474	<u>0.03569</u>	0.93938	NaN	30.89463	0.1275063272	0.0279160125	0.0022955387
UMAP	0.94104	0.04552	0.93600	nan	12.50606	0.1147357278	0.0024312403	0.0000278950
ParametricUMAP	0.94369	0.04620	0.93933	0.35664	<u>10.25591</u>	0.0954877360	0.0040409276	0.0000560039