

Alexey Lazarev - Metric regularization of latent spaces via Ricci-type flows

Latent spaces of autoencoders tend to violate metric properties of the initial data. We propose a novel approach of encoding while preserving metric properties of this initial data. The approach is based on minimizing curvature functionals inspired by Perelman's implementation of the Ricci flow in the proof of the Poincare conjecture.

