

Riemannian interpretation of the Wasserstein geometry

Felix Otto

Max Planck Institute for Mathematics in the Sciences

Germany

e-mail: Felix.Otto@mis.mpg.de

We review the infinite-dimensional Riemannian interpretation of the space of probability measures endowed with the Wasserstein metric. In particular, we shall address the relation between the differential geometry of the base space and that of the space of probability measures.