



Workshop on Stochastic Analysis

IMECC - Unicamp

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On foliated optimal transport

Abstract

We present a framework for optimal transport on foliated manifolds. Using the disintegration of measures, we decompose the transport problem into independent leafwise optimal transport problems, characterize the existence of foliated transport plans, and obtain a Benamou-Brenier-type dynamic formulation. This talk is based on joint work with Diego S. Ledesma and Christian Rodrigues.