SEMINARIO

OPTIMIZACIN Y EQUILIBRIO

EXPOSITOR

Ludovic Rifford
Universidad de Niza, Francia

TITULO
The dynamics of optimal transportation

Abstract:

Given a cost function and two probability measures on a compact manifold, the Monge problem is concerned with the study of minimizers of a transportation cost among transport maps between these two measures while the Kantorovitch problem is concerned with optimal transport plans. We will explain the main difference between these two optimization problems. Then we will address the uniqueness of optimal transport plans for the Kantorovitch problem. We will show that the uniqueness issue is related with the properties of some dynamics associted to the cost.

Miércoles 12 de Marzo del 2014 a las 16 : 30 hrs, Salal de Seminario CMM, séptimo piso.