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5th talk : Optimal transport planning with a non linear cost

vendredi 5 juillet 2019 08:30 (50 minutes)

In this talk, I consider optimal transport problems that involve non-linear transportation costs which favour optimal plans non associated to a single valued transport map. I will describe some results concerning this type of problem (existence, duality principle, optimality conditions) and focus on specific examples in a finite dimensional compact setting. I will consider in particular the case where the cost involves the opposite of the variance or the indicator of a constraint on the barycenter of p (martingale transport).
This is from a joined work with J.J. Alibert and G. Bouchitté.

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