Conversation with McCann, August 3, 2010

August-03-10 1:58 PM

Frisch, sobolivski +3 in Nature. 417 (2002) F. +S. + Brenier + Loeper in Monthly of Royal Astronomical Soc. Canonild rups: Books by Topics in Optimal Transportation Cédric Villani Brenier's thm Chap 3 of Villani's First book $u(x) = \max_{y: f:y} \left(-\frac{d^{L}(x, y) + v_{i}}{2} \right) = \max_{i=1..., r} \left(u_{i}/s_{r} \right)$ 424 ų=u, $\min_{0 \leq V \text{ on } S^{2} \times S^{2}} \int_{S^{2}} \int_$ BR

There are also McCann's own notes... at eprints/McCann.

Question There's a map I: of convertions & - & f measures? by $\overline{\mathcal{D}} u = (\nabla u)_* \mathcal{H}$, where \mathcal{M} is Lebesgue's measure. According to McCann, I is largely onto. Is

FairMapping Page 1

\$ continuous ? Does it make sense to find \$' on discrite measures by repeatedly point-splitting and deforming ?