
GEOMETRIC MEASURE THEORY
OPTIMAL MASS TRANSPORTATION
AND PARTIAL DIFFERENTIAL EQUATIONS

Inside and around optimal transport

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Topics:

1. Introduction to optimal transport, duality and strictly convex costs.
2. One-dimensional transport, Knothe map and applications.
3. Concave and L^∞ transport costs.
4. Traffic congestion, optimal flows and very degenerate elliptic PDEs.
5. Branched transport.