Conversation with McCann, August 11, 2010

August-11-10

We want to transport
$$M = \sum_{i=1}^{M} m_i d_{x_i}$$
 to $V = \sum_{j=1}^{N} n_j d_{y_j}$.

$$\Gamma = d Y \in M_{M \times N} : \sum_{i=1}^{M} Y_{i,j} = n_j : \sum_{j=1}^{N} Y_{i,j} = m_{i,j} : Y_{i,j} \ge 0$$

$$\min_{X \in \Gamma} Z = \sum_{i=1}^{N} Y_{i,j} | x_i - y_j |^2 \xrightarrow{T + m} \max_{X_i \in \Gamma} \sum_{i=1}^{N} \sum_{X_i = N_i = N_i} \sum_{X_i = N_i = N_i} \sum_{X_i = N_i = N_i} \sum_{X_i = N_i} \sum_{X_i = N_i = N_i} \sum_{X_i = N_i} \sum_{X$$