

Transportation cost spaces and their generalizations

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The first versions of the spaces I will be talking about were introduced by Markov (1941) and Kantorovich (1942). Markov was working the theory of “free structures, Kantorovich was working on optimal transportation problems. Both directions were developed by many authors, often without mentioning predecessors. This is why the spaces which are subject of my talk and their norms are also known under many other names, such as Arens-Eells, Lipschitz-free, or Wasserstein 1 spaces, earth mover or Kantorovich-Rubinstein distance.

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