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Marian Bocea*, Loyola University Chicago, Department of Mathematics and Statistics, 1032 W. Sheridan Road, Chicago, IL 60660. *Duality for the L^∞ Optimal Transport Problem.*

I will discuss a duality theory for the the Monge-Kantorovich optimal mass transport problem in L^∞ , where one seeks to minimize cost functionals acting on probability measures with prescribed marginals. Several formulations of the dual problem can be obtained using techniques from quasiconvex analysis and partial differential equations. Joint work with Nick Barron and Robert Jensen (Loyola University Chicago). (Received August 18, 2015)