## ELISABETH WERNER, Case Western Reserve University

Blaschke-Santalo inequality for many functions and geodesic barycenters of measures

We prove a natural generalization of the Blaschke-Santalo inequality and the affine isoperimetric inequalities for many sets and many functions. We derive from it an entropy bound for the total Kantorovich cost appearing in the barycenter problem. Based on joint work with Alexander V. Kolesnikov.