BARYCENTERS IN WASSERSTEIN SPACE AND FUNCTIONAL BLASCHKE – SANTALÓ INEQUALITY

Speaker: Bangxian Han

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Time: Wed, Dec. 20th, 9:00-10:30

Venue: Room 106, SCMS

Abstract: Barycenter is a basic concept in both geometry and probability theory. For example, as the solution of a simple optimization problem, barycenters provide a natural generalization of the notion of mean value of a probability measure, as well as the expectation of metric-space valued random variables. In this talk, I will introduce some new results on the Wasserstein barycenter problem and functional Blaschke – Santaló inequality for many functions.