

College of Arts and Sciences
Department of Mathematics
University of South Carolina

Math Colloquium

Metric Embeddings: Embeddings of discrete metric spaces into the Banach spaces

Mikhail Ostrovskii, Professor & Chair of Math & Computer Science,
St. Johns University



Embeddings of a discrete metric space into a Hilbert space or a “good” Banach space have found many significant applications. At the beginning of the talk I plan to give a brief description of such applications. After that I plan to present three of my results: (1) On L_1 -embeddability of graphs with large girth; (2) Embeddability of infinite locally finite metric spaces into Banach spaces is finitely determined; (3) New metric characterizations of superreflexivity.

Thursday
March 7th

4:30 PM
LeConte 412