Boğaziçi
MATH COLLOQUIUM

On Inverse Theorems and Conjectures in Ergodic Theory and Additive Combinatorics

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Abstract:

I will provide a non-technical overview of some interactions between ergodic theory and additive combinatorics. The focus will be on inverse theorems and conjectures for the Gowers uniformity norms for finite abelian groups in additive combinatorics and their counterparts for the Host-Kra-Gowers uniformity seminorms for abelian measure-preserving systems in ergodic theory.

Date : Thursday, November 24, 2022
Time: 13:30
Place: TB 130, Boğaziçi University