

Thursday, October 14th, 12:00-13:00

Andrea Merlo

Université Paris-Saclay)

Endpoint Fourier restriction and unrectifiability

In this talk we show that if a measure of dimension s on R^d admits (p, q) Fourier restriction for some endpoint exponents allowed by its dimension, namely $q = s/d p'$ for some $p > 1$, then a dicotomy holds: the measure is either absolutely continuous or purely 1-unrectifiable.

Based on a joint work with Giacomo Del Nin.

Link to the seminar:

<https://us06web.zoom.us/j/99649860282?pwd=SE0vemtYMFllwBFNTXQyOTBONG0vZz09>