
IGNACIO URIARTE-TUERO, University of Toronto

Two weight norm inequalities for singular and fractional integral operators in \mathbb{R}^n

I will report on recent progress on the two weight problem for singular and fractional integral operators in \mathbb{R}^n , in particular a local Tb theorem in \mathbb{R}^n for general measures with an energy side condition (joint with C. Grigoriadis, M. Pappas, E. Sawyer and C.-Y. Shen) and a two weight T1 theorem (with no side conditions) for doubling measures (joint with M. Alexis and E. Sawyer), and briefly mention a new stability result. The talk will be self-contained.