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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 two weight local Tb theorem in higher dimensions.

Joint work with Christos Grigoriadis, Michalis Paparizos, Eric Sawyer, Chun-Yen Shen.