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Two weight norm inequalities for singular and fractional integral operators in R^n .

I will report on recent advances on the topic, related to proofs of T1 type theorems in the two weight setting for Calderón-Zygmund singular and fractional integral operators, with side conditions, and related counterexamples. Mostly joint work with Eric Sawyer and Chun-Yen Shen.

The talk will be self-contained and provide a general overview of the area plus some recent advances. Eric Sawyer's talk in this same session will provide more specifics on the latest advances.