# WEAK TYPE (1,1) BOUNDEDNESS OF SOME ROUGH INTEGRAL OPERATORS

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**Venue: Tencent Meeting 941-766-021, password: 100875**

**Abstract:** In this talk, we will give a weak type (1,1) bound criterion for singular integral operators with rough kernel. As some applications of this criterion, we show that some important operators with rough kernel in harmonic analysis, such as the Calderón commutator, the higher order Calderón commutator, the general Calderón commutator, the Calderón commutator of

Bajsanski－Coifman type, and the general singular integral of Muckenhoupt type, are all of weak type (1,1).