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The composition of rough singular integral operators on function spaces

The composition of singular integral operators arises typically in the algebra of singular integral (Calderón and Zygmund, 1956) and the non-coercive boundary-value problems for elliptic equations. Considerable attention has been paid to the composition of singular integral operators. In this talk, we will focus on the behavior of the bounds of the composition for rough singular integral operators on the weighted space, on rearrangement invariant Banach function spaces and quasi-Banach spaces.