

# Singular operators with antisymmetric kernels, related capacities, and Wolff potentials

We consider a generalization of the Riesz operator in  $R^d$  and obtain estimates for its norm and for related capacities. These estimates are based on the certain version of T1 theorem for Calderón–Zygmund operators in metric spaces. As application, we extend the known relations between  $s$ -Riesz capacities,  $0 < s < d$ , and the capacities in Nonlinear Potential Theory, to the case  $s = 0$ .

This is a joint work with David Adams.