

Restricting Riesz-Morrey-Hardy Potentials

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Abstract. Let μ be a non-negative Radon measure on the n -dimensional Euclidean space \mathbb{R}^n . In this talk, we shall use a geometric-measure-theoretic criterion on the measure μ to characterize the boundedness of the Riesz potential I_α of order $\alpha \in (0, n)$ from Morrey or Hardy-Morrey spaces to the μ -based Radon-Morrey or μ -based Radon-Hardy-Morrey spaces. This work is jointed with Professor J. Xiao.