Turkish Journal of Mathematics

The Hardy -Littlewood-Sobolev Inequality for Non-Isotropic Riesz Potentials

İnan ÇINAR

Abstract: In this study the inequality of Hardy-Littlewood-Sobolev type are established for non-isotropic generalized Riesz potential depending on ● -distance. In this paper we establish analogues of the well known Hardy-Littlewood-Sobolev inequality (see[3]) for Riesz potentials with non-isotropic kernel depended on ● distance. Note that different problems for convolution type integrals with kernels, depending on ●-distance were considered in [1] and [2].

🔍 Keywords
🔍 Authors

@

math@tubitak.gov.tr

Scientific Journals Home Page