

Extension of Hardy-Littlewood-Sobolev Inequalities for Riesz Potentials on Hypergroups

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Abstract	We establish in this paper the Hardy-Littlewood-Sobolev inequalities for the Riesz potentials on Morrey spaces over commutative hypergroups. As a consequence, we are also able to get Olsen-type inequality on the same spaces. Here, the condition of upper Ahlfors n -regular by identity is assumed to obtain the inequalities.
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