

Continuity of Riesz potentials for double phase functionals with variable exponents

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Abstract. We discuss the continuity of variable Riesz potentials $I_{\alpha(\cdot),\tau}f$ of functions in Morrey spaces $L^{\Phi,\nu(\cdot),\kappa}(X)$ of double phase functions $\Phi(x,t)$ with variable exponents over bounded non-doubling metric measure spaces. Our results are new even for the doubling metric measure setting.

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