

MORREY SPACES AND FRACTIONAL INTEGRAL OPERATORS

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ABSTRACT. We prove the boundedness of fractional integral operators in Morrey spaces defined on quasimetric measure spaces. Sobolev, trace and weighted inequalities with power weights for potential operators are established in Morreys spaces.

Keywords: Fractional integral operators, (weighted) Morrey spaces, trace inequality, two-weight inequality, doubling conditions, growth condition.