

VARIABLE INTEGRAL AND SMOOTH EXPONENT TRIEBEL–LIZORKIN SPACES ASSOCIATED WITH A NON-NEGATIVE SELF-ADJOINT OPERATOR

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Abstract. In this paper, variable integral and smooth exponent Triebel-Lizorkin spaces associated with a non-negative self-adjoint operator are introduced. Then equivalent norms and atomic decomposition of these new spaces are given.

Mathematics subject classification (2010): 46E35, 42B25.

Keywords and phrases: Triebel-Lizorkin space, variable exponent, non-negative self-adjoint operators, maximal function, atomic decomposition.

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