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arxiv:math/0608738v2 [math.ca] 2 nov 2006 affine synthesis and coefficient norms for lebesgue, hardy and sobolev spaces h.-q. bui and r. s. laugesen

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JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS 29, 18-78 (1970) A Distribution-Theoretical Approach to Certain Lebesgue and Sobolev Spaces\*

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Zeit. Anal. Anwend. 2003, vol. 22, No 4, 899-910. On Sobolev theorem for Riesz type potentials in the Lebesgue spaces with Variable Exponent by V. Kokilashvili

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tional Sobolev spaces  $W^{1,p(\cdot)}$ ,  $W^{1,p(\cdot)}$  or  $W^{1,p(\cdot)}$  is made for two reasons. First, it

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176 MARCELINA MOCANU 2 that is more general than the  $(1;1)$ -Poincaré inequality. For a wide class of Orlicz spaces, we show that the corresponding Orlicz-Sobolev ...

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Sobolev spaces to the setting of metric ... The theory of Sobolev spaces on metric-measure spaces turns ... In Theorem 2.1 we integrate with respect to the Lebesgue

### **Sobolev spaces on metric-measure spaces**

Sobolev-type Inequality 429 References [1] L. Diening, Riesz potential and Sobolev embeddings of generalized Lebesgue and Sobolev spaces  $L_p(x)(\hat{\mathbb{C}})$  and  $W_{k,p(x)}(\hat{\mathbb{C}})$ .

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