

REVERSE HARDY–TYPE INEQUALITIES FOR SUPREMAL OPERATORS WITH MEASURES

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Abstract. In this paper we characterize the validity of the inequalities

$$\|g\|_{p,(a,b),\lambda} \leq c \|u(x)\|g\|_{\infty,(x,b),\mu} \|q_{(a,b),\nu}$$

and

$$\|g\|_{p,(a,b),\lambda} \leq c \|u(x)\|g\|_{\infty,(a,x),\mu} \|q_{(a,b),\nu}$$

for all non-negative Borel measurable functions g on the interval $(a,b) \subseteq \mathbb{R}$, where $0 < p \leq +\infty$, $0 < q \leq +\infty$, λ , μ and ν are non-negative Borel measures on (a,b) , and u is a weight function on (a,b) .

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