

REVERSION OF HÖLDER TYPE INEQUALITIES FOR SUMS OF WEIGHTED NORMS AND ADDITIVE WEIGHTED ESTIMATES OF INTEGRAL OPERATORS

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Abstract. The additive weighted estimate $\|uKf\|_q \leq C(\| \rho f \|_p + \| vHf \|_p)$, $f \geq 0$, where $Kf(x) = \int_0^x K(x,s)f(s)ds$, $K(x,s) \geq 0$, $Hf(x) = \int_0^x f(s)ds$ is reduced to the two-weighted estimate: $\|uKf\|_q \leq C\|\rho^*f\|_p$, $f \geq 0$, where the weight function ρ^* is expressed via the weight functions ρ and v .

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