

ON MORE ACCURATE REVERSE MULTIDIMENSIONAL HALF-DISCRETE HILBERT-TYPE INEQUALITIES

BICHENG YANG

Abstract. By using the methods of weight functions and Hermite-Hadamard's inequality, two kinds of more accurate equivalent reverse multidimensional half-discrete Hilbert-type inequalities with the kernel of hyperbolic cotangent function are given. The constant factor related to the Riemann zeta function is proved to be the best possible.

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