EQUIVALENT STATEMENTS OF A MORE ACCURATE EXTENDED MULHOLLAND’S INEQUALITY WITH A BEST POSSIBLE CONSTANT FACTOR

BICHENG YANG, MEIFA HUANG AND YANRU ZHONG

Abstract. By the use of the weight functions, the idea of introduced parameters and Hermite-Hadamard’s inequality, a more accurate extended Mulholland’s inequality and its equivalent form are given. A few equivalent statements of the best possible constant factor related to some parameters, some particular cases and the operator expressions are considered.


Keywords and phrases: Weight function, Mulholland’s inequality, equivalent statement, Hermite-Hadamard’s inequality, operator expression.

REFERENCES