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A HILBERT–TYPE FRACTIONAL INTEGRAL INEQUALITY WITH THE KERNEL OF MITTAG–LEFFLER FUNCTION AND ITS APPLICATIONS

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Abstract. By using the theory of the local fractional calculus and the methods of weight function, a Hilbert-type fractional integral inequality with the kernel of Mittag-Leffler function and its equivalent form are given. Their constant factors are proved being the best possible, and its applications are discussed briefly.

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