SOME $k$–FRACTIONAL INTEGRAL INEQUALITIES FOR HARMONICALLY CONVEX FUNCTIONS

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Abstract. The celebrated Hadamard inequality has been studied extensively since it is established. We have found a weighted version of the Hadamard inequality for harmonically convex functions via Riemann-Liouville $k$-fractional integrals. Also, we have obtained some bounds of its difference. These results have some connection with fractional integral inequalities for Riemann-Liouville fractional integrals.


Keywords and phrases: Harmonically convex functions, Hadamard inequality, $k$-fractional integrals.

REFERENCES