HERMITE–HADAMARD TYPE INEQUALITIES FOR RIEMANN–LIOUVILLE FRACTIONAL INTEGRALS VIA STRONGLY $h$–CONVEX FUNCTIONS

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Abstract. In this paper, the Hermite-Hadamard type inequalities for Riemann-Liouville fractional integrals via strongly $h$–convex functions are established. Furthermore, we obtain some identities related to the fractional integrals with $n$-times differentiable functions, and then gain midpoint type and trapezoid type error estimates connected with the Hermite-Hadamard type inequalities, which generalize some known results.


Keywords and phrases: Hermite-Hadamard type inequalities, strongly $h$–convex functions, Riemann-Liouville fractional integrals.

REFERENCES


