NEW CHEBYSHEV–TYPE INEQUALITIES FOR THE GENERALIZED RIEMANN–LIOUVILLE FRACTIONAL INTEGRAL WITH RESPECT TO AN INCREASING FUNCTION

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Abstract. We obtain several results for the generalized Riemann-Liouville fractional integrals whose orders are variable. We prove Chebyshev-type inequalities and consider the log-convexity of a function whose variable is the order of the generalized Riemann-Liouville fractional integral. Obtained results are applied to some special kinds of fractional integrals.

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