

GENERALIZED STEFFENSEN INEQUALITIES FOR LOCAL
FRACTIONAL INTEGRALS

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Abstract

Firstly we give a important integral inequality which is generalized Steffensen's inequality. Then, we establish weighted version of generalized Steffensen's inequality for local fractional integrals. Finally, we obtain several inequalities related these inequalities using the local fractional integral.

Keywords: Steffensen's inequality, local fractional integral, fractal space, generalized convex function.

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