

GENERALIZED BULLEN TYPE INEQUALITIES FOR LOCAL
FRACTIONAL INTEGRALS AND ITS APPLICATIONS

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Abstract

In this paper, we establish the generalized Bullen type inequalities involving local fractional integrals on fractal sets R^α ($0 < \alpha \leq 1$) of real line numbers. Some applications of these inequalities in numerical integration and for special means are given.

Keywords: Bullen's inequality, local fractional integral, fractal space, generalized convex function, numerical integration, special means.

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