

On some inequalities for generalized s-convex functions and applications on fractal sets

ABSTRACT

The authors present some new inequalities of generalized Hermite-Hadamard type for the class of functions whose second local fractional derivatives of order α in absolute value at certain powers are generalized s-convex functions in the second sense. Moreover, some applications are given.

Keyword: s-convex functions; Fractal space; Local fractional derivative