

CORRECTED SIMPSON'S SECOND FORMULA INEQUALITIES ON FRACTAL SET

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Abstract. The aim of this research is to investigate the corrected Simpson's second formula within the context of local fractional calculus. Firstly, we present a new integral identity that is related to the formula, which enables us to derive several integral inequalities for functions whose local fractional derivatives are generalized (s, P) -convex functions. Lastly, we discuss potential practical applications.

Mathematics subject classification (2020): 26D10, 26D15, 26A51.

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