

Some parameterized Hermite-Hadamard and Simpson type inequalities for co-ordinated convex functions

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Abstract

In this paper, we first obtain an identity for twice partially differentiable mappings involving some parameters. Moreover, by utilizing this identity and functions whose twice partially derivatives in absolute value are co-ordinated convex, we establish some inequalities which generalize several inequalities, such as trapezoid, midpoint and Simpson's inequalities.

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