

Co-ordinated σ -convex function and related integral inequalities.

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Abstract

An advanced class of convexity has been introduced in this article, named as co-ordinated σ -convexity. This variant holds some other types of two variable convex functions on co-ordinates as it's special cases. We also constituted integral inequalities enmeshed with the Hermite-Hadamard type for co-ordinated σ -convex functions, as an application.

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