

Generalized fractional Hermite-Hadamard type inclusions for co-ordinated convex interval-valued functions

Hasan KARA¹, Hüseyin BUDAK², and Muhammad Aamir Ali³

¹Düzce Üniversitesi

²Düzce University

³Nanjing Normal University School of Mathematical Sciences

November 26, 2020

Abstract

In this paper, we introduce the notion of generalized fractional integrals for the interval-valued functions of two variables. We establish Hermite-Hadamard type inequalities and some related inequalities for co-ordinated convex interval-valued functions by using the newly defined integrals. It is also proved that the results given in this paper are the strong generalization of already published ones.

Hosted file

s-Generalized-H-H inclusions for products coordinated convex.pdf available at <https://authorea.com/users/360953/articles/495414-generalized-fractional-hermite-hadamard-type-inclusions-for-co-ordinated-convex-interval-valued-functions>