Aslıyüce, Serkan; Güvenilir, Feza
Chebyshev type inequality on nabla discrete fractional calculus. (English) Zbl 1424.26043

Summary: In this paper, we establish some Chebyshev type inequalities on discrete fractional calculus with nabla operator (or backward difference operator).

MSC:
26D15 Inequalities for sums, series and integrals
26A33 Fractional derivatives and integrals
39A12 Discrete version of topics in analysis
26D10 Inequalities involving derivatives and differential and integral operators

Keywords:
Chebyshev inequality; nabla operator; discrete fractional calculus

Full Text: DOI

References:


[17] M. HOLM, \textit{Sum and difference compositions in discrete fractional calculus}, Cubo 13, (2011), 153–184. (Received March 18, 2016). \textit{Serkan Asliyuce} \textit{ulAsliyuce@amasya.edu.tr} \textit{Erkan Asliyuce@amasya.edu.tr} \textit{Feza G¨un¨elir guvenilir@science.ankara.edu.tr} Fractional Differential Calculus www.ele-math.com

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