Monotonicity result for nabla fractional h-difference operators

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Abstract

In this paper, we give a new method to show a monotonicity result for a function f satisfying $(_{a}\nabla_{h}^{\nu}f)(t)\leq0$ $((_{a}\nabla_{h,\ast}^{\nu}f)(t)\leq0)$ with $\nu\in(0,1]$, which has never been solved in other papers. In addition, we give an example to illustrate one of our main results.

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1