



ON NEWTON-TYPE INEQUALITIES IN NON-NEWTONIAN CALCULUS VIA AG -CONVEXITY

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Abstract. This study estimates the Newton-Cotes quadrature formula for functions that are differentiable up to the third, second, and first order in a AG -multiplicative calculus, as defined by the Riemann integral, using the multiplicative absolute value and assuming the function is multiplicative h -convexity. We also get similar results for multiplicatively s -convex functions and P -functions. .

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