QUANTUM SYMMETRIC ANALOGUE OF VARIOUS INTEGRAL INEQUALITIES OVER FINITE INTERVALS

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Abstract. In this paper, we generalize the concept of Quantum calculus on finite intervals called symmetric quantum calculus over finite intervals. We define q_s-symmetric derivative and q_s-symmetric integral for a real valued function. We also prove quantum symmetric analogue of some integral inequalities over finite interval.

Mathematics subject classification (2020): 26A33, 26D10, 26D15.
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