

LEFT-RIGHT QUANTUM DERIVATIVES AND DEFINITE INTEGRALS

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July 25, 2020

Abstract

In this work, the concepts of quantum derivative and quantum integral are renamed to be the left quantum derivative and the left definite quantum integral. Symmetrically to the left, a new quantum derivative (the right) and definite quantum integral (the right) are defined. Some properties of these new concepts are investigated and as well as according to these new concepts some inaccuracies in quantum integral inequalities are corrected. Moreover, some new quantum Hermite-Hadamard type inequalities are established.

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